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MICHIGAN TRAFFIC ACCIDENT FACTS 1982

prepared by the
Michigan Department of
State Police

PREFACE

The state's traffic death toll in 1982 reflected the lowest number of fatalities since 1958. Traffic accidents claimed 1,417 lives.

Compared with 1981, fatalities were down 10.8 percent, injuries were down 4.7 percent and total accidents were down 2.6 percent.

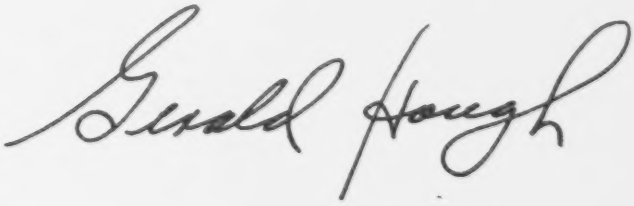
Another significant factor on the plus side was the Michigan all-time low death rate of 2.3 per 100 million miles of travel. This was down from the previous all-time low of 2.6 registered in 1981.

Exposure factors in 1982 show motor vehicle registrations up 4.2 percent to 6.40 million; motor vehicle travel mileage down 1.1 percent to 61.3 billion; and the number of licensed drivers up 0.4 percent to 6.90 million.

Factors influencing the lower traffic death toll and rate in 1982 were felt to include the lower speed limit, a slower paced economy in some sectors, operating costs of motor vehicles, and the on-going traffic safety efforts of police and other agencies.

Data on accidents in this booklet were obtained from individual reports and summaries provided by local police departments, sheriff jurisdictions, and the Department of State Police. Other related information was obtained from the Departments of Transportation, State, and Public Health.

Grateful appreciation is expressed to all involved agencies for their assistance.



Colonel Gerald L. Hough, Director
Michigan Department of State Police

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1982 QUICK FACTS

There were 294,971 reported accidents of which 87,384 were personal injury and 206,306 were property damage accidents.

A traffic accident was reported every 1 minute 47 seconds.

Children under the age of 15 accounted for 56.0 percent of the bicycle deaths.

One person was killed every 6 hours and 11 minutes as a result of a traffic accident.

Of those fatal accidents where the drinking condition was determined, 56.3 percent indicated that alcohol was a factor.

There were 130,061 persons injured, crippled and maimed.

One person was injured every 4 minutes and 2 seconds in a traffic accident in Michigan.

The economic loss in Michigan traffic accidents amounted to $1, 119, 430, 000.

For each person killed there were 91.8 persons injured.

Excessive speed was indicated as the hazardous action by 23 percent of the drivers involved in fatal accidents.

Of the 1,927 drivers involved in fatal accidents, 14.1 percent were under 20 years of age and 32.3 percent of all drivers involved in fatal accidents were under 25 years of age.

Of all fatal accidents, 24.5 percent occurred at intersections.

In the last five years, 8,705 persons have been killed in Michigan traffic accidents. This is an average of 1,741 per year. During the previous five-year period, 9,804 persons were killed for an average of 1,961 per year.

One out of every 6,512 persons living in Michigan was killed in traffic accidents; one out of every 71 persons was injured.

The 1,417 persons killed were the result of 1,281 fatal accidents for an average of 1.11 deaths per fatal accident.

59.9 percent of all accidents occurred in URBAN areas, BUT 65.8 percent of all traffic deaths occurred in RURAL areas.

The pedestrian death toll for Michigan stands at 227 persons. This represents a decrease of 47 deaths from the 1981 figure.

For each pedestrian killed, there were 20.3 injured.

Of the pedestrians killed, 34 percent were killed while crossing streets other than at intersections.

Of all pedestrians killed 26.0 percent were under the age of 20 years and 26.4 percent were 55 and older.

During the past five years, a total of 1,477 pedestrians have been killed, an average of 295 per year.

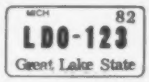
Of the 696,727 vehicle occupants involved in accidents, only 105,504 or 15.1 percent were using occupant restraints.

MICHIGAN TRAFFIC TRENDS 1973-1982

(A 10 Year Comparison)

MOTOR VEHICLE REGISTRATIONS

Millions of Vehicles



UP 18%

73	74	75	76	77	78	79	80	81	82
5.44	5.63	5.74	5.86	6.13	6.45	6.54	6.57	6.14	6.40

LICENSED DRIVERS

Millions of Drivers

UP 20%

73	74	75	76	77	78	79	80	81	82
5.75	5.85	5.95	6.05	6.15	6.25	6.35	6.40	6.87	6.90

VEHICLE MILES TRAVELED

Billions of Miles

UP 5%

73	74	75	76	77	78	79	80	81	82
58.48	55.75	56.26	61.82	64.85	67.38	64.88	61.19	62.00	61.32

DEATHS

Number of Deaths

DOWN 36%

73	74	75	76	77	78	79	80	81	82
2,213	1,875	1,811	1,955	1,950	2,076	1,849	1,774	1,589	1,417

INJURIES

Thousands of Injuries

DOWN 23%

73	74	75	76	77	78	79	80	81	82
169.5	141.1	147.3	162.8	166.3	169.2	162.6	144.9	136.4	130.1

ACCIDENTS

Thousands of Accidents

DOWN 16%

73	74	75	76	77	78	79	80	81	82
350.8	324.8	333.6	365.6	374.7	389.2	366.4	314.6	302.8	295.0

MILEAGE DEATH RATE

Deaths Per 100 Million Vehicle Miles

DOWN 39%

73	74	75	76	77	78	79	80	81	82
3.78	3.36	3.22	3.16	3.00	3.08	2.85	2.89	2.56	2.31

A fatality was counted when a person died due to injuries from a traffic accident, up to one year after the accident. Starting in 1979 this time period was reduced to 90 days after the accident.

1981 - 1982 SUMMARY TRENDS

- Total accidents decreased 2.6% statewide.
- Fatal accidents decreased 11.8%.
- Persons killed decreased 10.8%.
- Injury accidents decreased 4.4%.
- Persons injured decreased 4.7%.
- Persons sustaining "A" type injuries (the most serious) decreased 7.2%.
- Vehicle occupants, drivers and passenger deaths decreased 8.3%.
- Non-vehicle occupants, pedestrians, bicyclists, motorcyclists, farm equipment and other deaths decreased 16.6%.
- Drinking was a factor in 56.3% of all fatal accidents where the drinking condition was reported, a decrease of 0.9%.

Annual Summary	1981	1982	Percent Change
NUMBER OF ACCIDENTS			
Total Accidents	302,831	294,971	-2.6
Fatal Accidents	1,453	1,281	-11.8
Personal Injury Accidents	91,388	87,384	-4.4
Property Damage Accidents	209,990	206,306	-1.8
PERSONS KILLED			
Male	1,141	1,006	-11.8
Female	448	411	-8.3
Total	1,589	1,417	-10.8
Drivers	770	679	-11.8
Passengers	331	331	0.0
Pedestrians	274	227	-17.2
Bicyclists	44	50	+13.6
Motorcyclists	150	115	-23.3
Farm Equipment	4	5	+25.0
Other	16	10	-37.5
Total	1,589	1,417	-10.8
DRINKING IN FATAL ACCIDENTS			
Had Been Drinking	814 (56.0%)	712 (55.6%)	-12.5
Had Not Been Drinking	620 (42.7%)	553 (43.2%)	-10.8
Unknown Drinking	19 (1.3%)	16 (1.2%)	-15.8
PERSONS INJURED			
"A" Injury	19,842	18,416	-7.2
"B" Injury	43,713	40,532	-7.3
"C" Injury	72,900	71,113	-2.5
Total	136,455	130,061	-4.7
PERSONS IN ACCIDENTS			
Killed and Injured	138,044	131,478	-4.8
Not Injured	640,604	636,387	-0.7
Total	778,648	767,865	-1.4

The decreases in occupant "A" type injuries are very likely the result of decreases in exposures and speeds.

The continuous presence of alcohol as a factor in accidents indicates a need for more legislation in the accident field whereby all drivers involved in accidents would be subjected to a chemical test to determine their blood-alcohol content.

As a measure of accomplishement, Michigan's death rate per 100 million miles has been driven downward from an all-time high of 16.8 in 1935 to the all-time low of 2.3 for this year. Applying the 100 million mile death rate unit to the past three decades will reveal marked progress in the effort to save lives on the state's highways.

A multi-factored effort may be credited with this overall improvement and rests largely on some rather exhaustive participation by several disciplines. Improved highway engineering techniques, technical advances in automobile design and manufacture, emergency medical treatment advancement, better trained drivers and the efficient use of selective enforcement have all been responsible for this better experience.

Traffic accidents, in general, result from various causes, direct and indirect. The three elements of traffic; the driver, the highway and the motor vehicle, contribute, in some measure, to every accident. A preponderance of evidence, however, points to driver error as the chief cause of the majority of accidents.

Many common driver failures can be cited as contributory factors in accidents. Without any particular priority, enforcement investigation shows irresponsible attitude, lack of skill, inattention, fatigue, physical impairment, lack of knowledge and failure to drive defensively as accident-producing factors. It may be noted that the more experienced driver compensates for many of these self-induced mistakes, drawing on learned skills and experiential techniques.

Significantly, driver age group 15 - 24 represents 21.8 percent of the total licensed drivers in Michigan. However, they account for a disproportionate number of all accidents at 31.5 percent and an involvement of 32.3 percent in all fatal accidents. Comparing other ten-year age groupings with this record underscores the high risk potential of the group and strengthens conclusions drawn from past law enforcement experiences.

One of the best prospects for accident reduction and safer driving is a quality driver education and driver improvement program. This program enrolls 97 percent of eligible students in qualifying courses annually. Driver improvement schools, relating to the courts, work to reestablish proper driving skills and attitudes in problem drivers.

With the entrance of the Federal Government into the state traffic safety field (Highway Safety Act of 1966) an acceleration of research and development is producing promising dividends. Variables such as highway design, attitudinal research and program studies are being given a closer look with an eye toward more comprehensive accident prevention planning. Conclusions cannot be easily reached and the complexity of the total problem demands intensified enforcement participation.

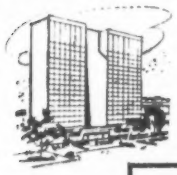
With exposure factors of increased traffic continuing to mount, it is obvious that every effort must be made to implement effective programs. The combined Federal-State jurisdictions will need maximum support from officials and citizens alike if the present trend is to be continued and more lives are to be saved.

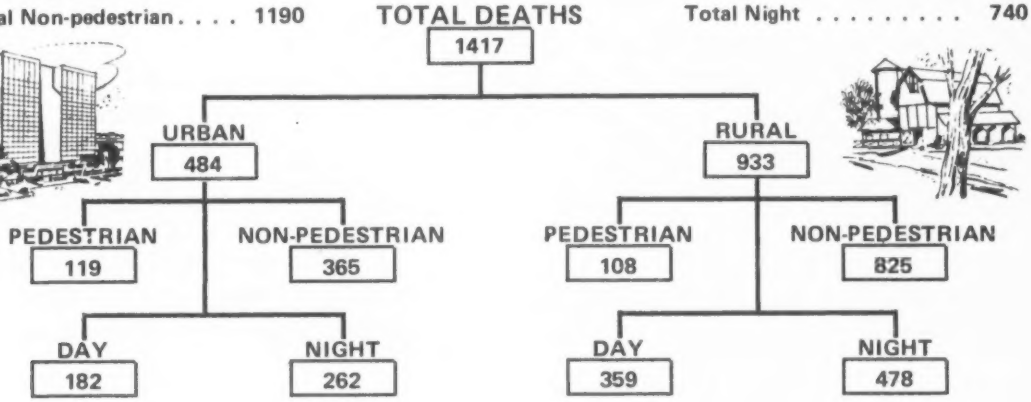
PRINCIPAL CLASSES OF MOTOR-VEHICLE DEATHS

Two out of every three deaths in 1982 occurred in places classified as rural. In URBAN areas, 24.6 percent of the victims were pedestrians and in RURAL areas 76.7 percent of the victims were occupants of motor vehicles. Fifty-eight percent of all deaths occurred in night accidents.

Total Pedestrian 227
Total Non-pedestrian 1190

Total Day 541
Total Night 740





FATAL ACCIDENTS BY DATE AND MONTH

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
01.	5	*	3	3	8	3	9	3	*	5	4	2	45
02.	2	2	4	3	3	1	3	4	2	7	7	4	42
03.	3	4	3	4	1	3	12	3	3	3	4	1	44
04.	*	*	2	3	*	6	10	5	9	3	3	3	44
05.	3	3	5	7	4	9	4	5	8	6	8	5	67
06.	1	2	2	1	3	6	2	5	4	2	4	1	33
07.	1	4	1	3	3	*	5	6	6	4	4	1	38
08.	3	6	2	3	6	4	6	6	8	6	3	4	57
09.	3	2	4	1	4	3	6	2	2	7	2	3	39
10.	1	*	3	3	4	3	8	2	5	6	6	6	47
11.	3	3	2	3	1	6	2	3	7	4	4	4	42
12.	*	3	1	2	2	5	*	4	6	*	1	5	29
13.	*	5	6	3	3	2	1	4	2	4	4	3	37
14.	6	*	5	2	4	3	2	7	2	4	4	3	42
15.	6	3	5	2	4	*	1	8	3	*	5	2	39
16.	3	1	*	5	3	1	7	4	3	5	1	*	33
17.	2	*	2	1	1	5	9	6	4	4	4	6	44
18.	1	5	2	2	*	3	6	2	5	3	1	5	35
19.	5	2	2	3	7	3	3	6	5	4	5	4	49
20.	*	2	5	1	2	5	4	9	2	2	3	3	38
21.	3	2	2	3	4	2	3	6	*	5	4	6	40
22.	6	4	1	3	7	3	6	8	3	4	3	4	52
23.	4	4	2	1	5	3	3	6	1	7	4	7	47
24.	1	1	1	3	2	4	3	2	2	3	3	10	35
25.	2	4	1	9	*	3	4	2	6	3	4	2	40
26.	3	2	4	2	2	10	4	7	3	3	4	*	44
27.	2	3	5	1	2	5	3	4	5	4	6	4	44
28.	2	4	2	2	6	5	4	2	3	5	9	2	46
29.	6	0	3	2	2	3	1	4	4	1	2	2	30
30.	3	0	3	4	3	4	4	4	3	4	3	1	36
31.	4	0	3	0	2	0	4	1	0	7	0	2	23
TOTALS. . .	84	71	86	85	98	113	139	140	116	125	119	105	1281

*Deathless Day Holiday Period

PERSONS KILLED BY DATE AND MONTH

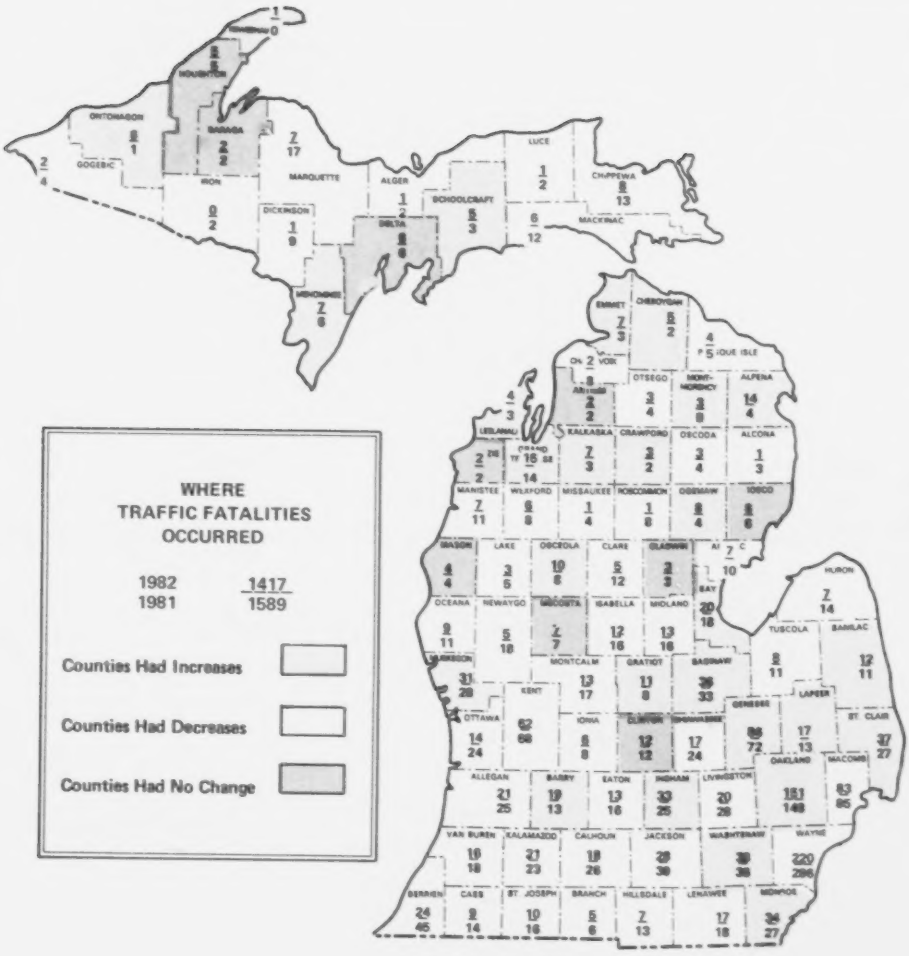
Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
01	7	*	3	3	9	3	11	3	*	5	4	2	50
02	2	2	4	3	3	1	3	4	2	10	7	4	45
03	5	4	3	4	1	4	13	3	4	3	5	1	50
04	*	*	2	4	*	6	10	5	9	3	3	3	45
05	3	4	6	7	5	12	5	6	8	6	8	5	75
06	1	3	2	1	4	6	2	5	4	4	4	1	37
07	1	5	1	3	3	*	5	6	7	6	4	1	42
08	3	6	2	3	6	4	8	8	8	9	3	4	64
09	4	2	4	1	5	3	6	2	2	9	3	3	44
10	1	*	3	3	4	3	8	2	6	6	6	6	48
11	4	3	2	3	1	6	3	3	7	4	4	4	44
12	*	3	1	2	2	5	*	4	6	*	1	6	30
13	*	6	6	3	4	2	1	6	2	4	4	3	41
14	6	*	5	3	4	3	2	8	3	5	4	3	46
15	7	3	6	2	4	*	1	8	5	*	6	2	44
16	6	1	*	5	3	1	7	4	3	5	1	*	36
17	2	*	2	1	1	5	10	6	4	4	5	6	46
18	1	6	2	2	*	3	8	2	5	3	1	6	39
19	5	2	2	5	7	3	3	9	5	4	6	4	55
20	*	2	6	1	2	5	7	9	2	2	3	3	42
21	4	2	2	3	4	2	3	6	*	6	4	6	42
22	6	4	1	3	12	3	7	11	3	4	3	4	61
23	5	6	3	1	7	3	3	7	2	9	6	10	62
24	1	1	1	3	2	4	3	2	2	3	4	10	36
25	2	4	1	10	*	3	4	2	7	3	5	3	44
26	5	3	5	2	3	14	4	7	3	3	4	*	53
27	2	3	5	1	3	5	3	4	8	4	8	4	50
28	2	4	3	3	8	5	4	2	4	8	10	2	55
29	6	0	3	2	2	3	1	4	4	1	2	2	30
30	3	0	3	4	3	4	5	4	3	4	3	1	37
31	4	0	4	0	2	0	4	1	0	7	0	2	24
TOTALS	98	79	93	91	114	121	154	153	128	144	131	111	1417

*Deathless Day Holiday Period

This year Michigan experienced 22 deathless days on Michigan highways.

MICHIGAN TRAFFIC ACCIDENT FACTS FOR VARIOUS TIME PERIODS

Accident Facts	During 1982			Yearly Comparison		% Change
	Per Day	Per Week	Per Month	1981	1982	81-82
Deaths	3.9	27.2	118	1,589	1,417	-10.8
Injuries	356	2,501	10,838	136,455	130,061	-4.7
Accidents	808	5,673	24,581	302,831	294,971	-2.6
Cost of Accidents	$3,066,931	$21,527,500	$93,285,833	$1,159,970,000	$1,119,430,000	-3.5
Drivers Involved	1,348	9,461	40,999	499,699	491,993	-1.5
Vehicles Involved	1,350	9,474	41,055	500,391	492,665	-1.5


WHERE
TRAFFIC FATALITIES
OCCURRED
1982 1417
1981 1589
Counties Had Increases
Counties Had Decreases
Counties Had No Change

MOTOR VEHICLE DEATHS, MILEAGE AND RATES BY MONTH

Month	Traffic Deaths					1982 Percentages		
	1978	1979	1980	1981	1982	Percent Deaths	Percent Miles Driven	Death Rate*
January	98	102	117	99	98	6.9	8.9	1.8
February	104	103	131	100	79	5.6	7.4	1.7
March	128	129	109	108	93	6.6	7.1	2.1
April	177	152	116	116	91	6.4	8.1	1.9
May	178	146	153	116	114	8.1	8.2	2.3
June	203	155	170	155	121	8.5	8.7	2.3
July	206	190	142	159	154	10.9	9.0	2.8
August	229	171	183	171	153	10.8	9.0	2.8
September	214	174	192	149	128	9.0	8.8	2.4
October	199	187	152	155	144	10.2	8.3	2.8
November	183	171	133	113	131	9.2	8.2	2.6
December	157	169	176	148	111	7.8	8.3	2.2
TOTALS	**2,076**	**1,849**	**1,774**	**1,589**	**1,417**	**100.0**	**100.0**	**2.3**

***Deaths per 100 million vehicle miles.**

In 1982 the highest death total was in July. Over the five year period August had the highest average, followed by September.

MICHIGAN BICYCLE ACCIDENTS

In 1982, there were 50 bicyclists killed and 3,617 injured in 4,123 total reported accidents involving bicycles and motor vehicles. The number killed was 6 more than in 1981, but injuries recorded were 5.4% lower.

Children under 15 years of age accounted for 28 or 56.0 percent of the bicycle deaths in 1982.

Generally, three out of five bicyclists are killed in rural areas. In 1982, rural deaths were 28 and there were 22 in urban areas. Past experience indicates that urban areas have two to three times as many bicycle injuries and total reported accidents compared with rural experience and this was true again in 1982.

Age of Persons Killed	1978	1979	1980	1981	1982
0 - 4 years	3	3	4	1	0
5 - 9 years	16	9	14	11	9
10 - 14 years	18	17	20	12	19
15 - 19 years	15	10	14	7	9
20 - 24 years	2	3	3	4	3
25 - 34 years	2	8	4	4	5
35 - 44 years	0	0	0	1	0
45 - 54 years	0	2	4	1	2
55 - 64 years	2	0	0	1	2
65 - 74 years	0	0	0	1	0
75 and over	1	0	0	1	1
Not Stated	0	1	0	0	0
TOTALS	**59**	**53**	**63**	**44**	**50**

Age of Persons Injured	1978	1979	1980	1981	1982
0 - 4 years	48	61	48	62	40
5 - 9 years	688	651	625	558	528
10 - 14 years	1,443	1,420	1,360	1,382	1,291
15 - 19 years	861	965	990	949	888
20 - 24 years	259	306	331	389	346
25 - 34 years	168	204	258	276	282
35 - 44 years	51	73	62	78	113
45 - 54 years	29	24	37	43	33
55 - 64 years	22	25	29	27	35
65 - 74 years	16	19	21	18	16
75 and over	8	7	13	10	9
Not Stated	26	35	41	30	36
TOTALS	3,619	3,790	3,815	3,822	3,617

Detailed information can be obtained on Michigan Bicycle Accidents by contacting the Michigan Department of State Police, Traffic Services Division.

MOTORCYCLE AND MOTOR SCOOTER DATA

Motorcycle & Motor Scooter Data	1978	1979	1980	1981	1982
Registrations	242,706	251,210	254,129	243,858	230,794
Deaths	160	126	148	153	119
Death Rate*	6.6	5.0	5.8	6.3	5.2
Estimated Mileage**(million)	728,505	753,630	762,387	731,574	692,382
Death Rate***	22.0	16.7	19.4	20.9	17.2

***Based on 10,000 cycle registrations**
****Based on 3,000 miles per cycle.**
*****Based on deaths per 100 million vehicle miles traveled.**

From 1978 thru 1980, motorcycle registrations were on the rise, but the last two years saw these figures fall with 1982 showing a 5.4 percent decrease over 1981, this compared with a 4.2 percent increase in total motor vehicle registrations.

There were 5,939 accidents which involved a motorcycle. Of these accidents 1.9% were fatal accidents, and 83.3% were injury accidents.

Based on deaths per 10,000 registrations, mortality rate for motorcycles is 5.2 while deaths for all vehicles is 2.2 per 10,000 registered.

There are no accurate mileage figures for motorcycles, but estimates range from 3,000 to 5,000 miles per year for personal cycles. Such figures indicate that the mileage death rate, based on rider deaths only, may range between 10.3 and 17.2 (deaths per 100 million vehicle miles of travel). This compares with the 1982 death rate for all motor vehicles of 2.3 per 100 million miles which includes pedestrian and other nonoccupant deaths as occupant deaths. There were 486 mopeds involved in accidents. In the 486 moped accidents, two persons were killed and 489 were injured.

Detailed information can be obtained on 1982 Michigan Motorcycle and Motor Scooter Data by contacting the Michigan Department of State Police, Traffic Services Division.

MICHIGAN RAILROAD ACCIDENTS

Of the 281 grade crossing accidents which happened in Michigan during 1982, 24 were fatal accidents in which 28 persons were killed. Approximately 70 percent of the vehicles struck were passenger cars. The rest were mostly trucks, with 1 school bus and 2 motorcycles also being involved.

Nearly four out of five drivers involved in these type accidents were local residents who either drove too fast and were unable to stop or disregarded the traffic signal.

During the daylight hours 149 or 53 percent of the train accidents occurred.

Detailed information can be obtained on Michigan Railroad Accidents by contacting the Michigan Department of State Police, Traffic Services Division.

MICHIGAN MOTOR VEHICLE-DEER ACCIDENTS

Michigan had 19,614 reported motor vehicle-deer accidents during 1982 in which 1 person was killed as a result of the collision. Over 76 percent of the vehicles involved were passenger cars.

Accidents involving deer occurred most frequently during the fourth quarter (54%) and the second quarter (21%) of the year for a total of 75 percent of all car-deer collisions.

Over 61 percent of the drivers involved were local residents with 69.3 percent of the accidents occurring during hours of darkness.

Contrary to common belief, motor vehicle-deer accidents are happening in Michigan's southern, heavily populated counties, Kent County being the highest, with 745 deer accidents in 1982.

Detailed information can be obtained on Motor Vehicle-Deer Accidents by contacting the Michigan Department of State Police, Traffic Services Division.

1982 SNOWMOBILE ACCIDENTS

	1981 - 1982						1980 - 1981		
	No. of Accidents			No. of Persons					
Type of Accident	Total*	Fatal	Injury	PD	Killed	Injured	Accidents	Killed	Injured
Overturned.	89	0	85	4	0	87	70	0	73
Other Non-collision	109	4	101	4	4	103	77	2	78
Collision with:									
Pedestrian	13	1	12	0	1	16	5	0	5
M.V. in Transport	205	6	124	75	7	157	139	5	99
M.V.-Other Roadway	0	0	0	0	0	0	0	0	0
Parked M.V. . . .	41	2	21	18	2	24	24	2	18
Railroad Train . .	1	0	1	0	0	1	0	0	0
Pedalcyclist. . . .	0	0	0	0	0	0	0	0	0
Animal	1	0	1	0	0	1	6	0	4
Fixed Object. . .	125	4	113	8	6	120	156	12	148
Other Object. . .	12	0	12	0	0	12	15	0	13
TOTALS.	**596**	**17**	**470**	**109**	**20**	**521**	**492**	**21**	**438**

***Includes 315 Traffic Accidents – 281 Non-traffic Accidents**

Snowmobile accidents in Michigan increased 21.1 percent, and registrations increased 4.9 percent since the last snow season. Statistics show Michigan had 69,251 registered snowmobiles during the 1968-1969 snow season. The latest statistics now show Michigan has registered 386,619 snowmobiles.

The popularity of snowmobiling has brought with it many complications, particularly those pertaining to safe operation. Accidents resulting in deaths decreased during the last snow season, but the number of injuries increased.

Snowmobiles in the State of Michigan are not a passing fancy to be dealt with lightly; there must be continuous concern to improve the safety for all persons involved in snowmobiling.

Detailed information can be obtained on 1982 Michigan Snowmobile Accidents by contacting the Michigan Department of State Police, Traffic Services Division.

MICHIGAN FARM EQUIPMENT ACCIDENTS

A total of 371 accidents involving farm equipment were reported on Michigan roadways during 1982. Of these accidents, 307 were the result of a collision with another vehicle. In 79 of these accidents, both vehicles were traveling in the same direction resulting in a rear-end collision. Of the total accidents, 74.7 percent happened during daylight hours and 71.7 percent happened on dry roads.

Farm equipment accidents claimed the lives of 8 persons on Michigan roadways during 1982. Five of the persons killed were drivers or passengers on the farm equipment and were killed in collisions with another motor vehicle. Of the drivers involved in farm equipment accidents 87 percent were males.

Detailed information can be obtained on Michigan Farm Equipment Accidents by contacting the Michigan Department of State Police, Traffic Services Division.

OPERATION C.A.R.E.

The 1982 Operation C.A.R.E. program saw a new twist with the addition of air speed timing. During the July 4th and Labor Day weekends, the Michigan National Guard activated six helicopters, each carrying a state police spotter, which conducted air speed timing and traffic surveillance across the state.

The C.A.R.E. program was again funded through a grant from the Office of Highway Safety Planning. This year's grant totaled $350,000 with $301,000 scheduled for personnel services (patrol overtime, field supervision, and headquarters coordination), the remaining $49,000 was used for public education and program supplies.

Troopers worked a total of 9,739 hours of overtime during the three summer holiday weekends. This increased patrol helped generate over 27,000 traffic citations, approximately 602 OUIL arrests, and over 6,200 motorists assists.

Approximately forty-five volunteer organizations assisted Operation C.A.R.E. by maintaining traffic safety breaks at fifty-five rest areas and roadside parks across the state. It is estimated that nearly one million cups of coffee and cold drinks were distributed over the three summer holiday weekends, and thousands of traffic safety items were distributed.

HOLIDAY DEATH COUNT

Year	Memorial Day	July 4th	Labor Day
1974		34	2[illegible]
1975	28	27	25
1976	34	19	31
1977	32	34	
			18
C 1978	25	23	31
A 1979	17	12	31
R 1980	23	25	26
E 1981	12	22	17
1982	9	30	21

OCCUPANT RESTRAINTS

Since April 1982, Michigan has had a child restraint law, but not a law requiring the use of safety restraints by all vehicle occupants. Other countries have been very successful in passing a law requiring the use of safety restraints by all vehicle occupants, which has caused significant reductions in deaths and injuries.

In reviewing the Michigan restraint data, it is very obvious that there is a great need for more voluntary compliance in restraint usage. Of the total occupants involved in accidents, only 15.1 percent were using restraints, up from 11.1 percent in 1981. There is a need to change the public attitudes; this approach is a long term comprehensive, informational and educational program designed to impact an entire population through small group communication techniques.

Vehicle Occupant Restraint Data	Total Occupants		Occupants In Fatal Accidents		Occupants In Injury Accidents		Occupants Prop. Damage Accidents	
Using Restraints	105,504	15.1%	194	6.8%	30,089	13.4%	75,221	16.0%
Not Using Restraints	542,925	77.9%	2,402	83.9%	179,964	80.4%	360,559	76.7%
Usage Unknown	48,298	7.0%	268	9.3%	13,909	6.2%	34,121	7.3%
TOTAL OCCUPANTS	**696,727**		**2,864**		**223,962**		**469,901**	

	Monthly Percentage of Occupant Restraint Usage												
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1978	15.7	14.5	13.6	12.7	12.8	12.3	12.2	11.7	11.9	11.7	12.2	12.0	12.8
1979	12.8	11.8	11.6	10.8	11.0	10.5	10.6	10.8	10.8	10.6	11.2	11.3	11.2
1980	11.0	10.9	11.1	10.3	9.0	8.2	9.6	9.9	10.4	10.8	10.7	11.1	10.3
1981	11.1	11.1	10.9	10.2	10.1	10.5	10.9	10.5	11.5	11.4	11.3	12.4	11.1
1982	13.4	13.8	13.8	15.7	15.3	15.1	15.4	14.9	15.8	15.6	17.3	16.5	15.1

AGE OF MAJORITY ACCIDENT DATA
18 - 20 Years Old

One of the most publicized aspects of the drinking and driving problem has been the emphasis on the "young driver", 18 to 20 years of age. Very diverse opinions as to the significance of the data exists among the concerned interest groups.

The Michigan data reveals that the young drivers are in a downward trend (80-82) since a steady upward trend (74-78). Year 1979 was the first year the drinking age was 21 since 1971.

In an attempt to display the most pertinent information, the following schedules have been selected from the complete study for this publication.

DRINKING DRIVERS INVOLVED IN ACCIDENTS

	18 - 20 YEARS				ALL AGES			
ACCIDENT TYPE	1980	1981	1982	81-82 % Change	1980	1981	1982	81-82 % Change
All	9,056	7,659	6,859	-10.4	56,459	51,205	44,427	-13.2
Fatal	164	125	122	-2.4	938	827	723	-12.6
Injury	4,062	3,439	3,090	-10.1	25,430	23,157	20,154	-13.0
Property Damage	4,830	4,095	3,647	-10.9	30,091	27,221	23,550	-13.5

ALL DRIVERS INVOLVED IN ACCIDENTS

	18 - 20 YEARS				ALL AGES			
ACCIDENT TYPE	1980	1981	1982	81 - 82 % Change	1980	1981	1982	81 - 82 % Change
All	75,398	68,092	63,983	-6.0	517,829	499,699	491,993	-1.5
Fatal	344	262	241	-8.0	2,345	2,192	1,927	-12.1
Injury	23,203	20,835	19,504	-6.4	163,417	155,578	150,498	-3.3
Property Damage	51,851	46,995	44,238	-5.9	352,067	341,929	339,568	-0.7

DRINKING DRIVERS IN PERCENT OF ALL DRIVERS INVOLVED IN ACCIDENTS

	18 - 20 YEARS				ALL AGES			
ACCIDENT TYPE	1980	1981	1982	81 - 82 % Change	1980	1981	1982	81 - 82 % Change
All	12.0	11.2	10.7	-0.5	10.9	10.2	9.0	-1.2
Fatal	47.7	47.7	50.6	+2.9	40.0	37.7	37.5	-0.2
Injury	17.5	16.5	15.8	-0.7	15.6	14.9	13.4	-1.5
Property Damage	9.3	8.7	8.2	-0.5	8.5	8.0	6.9	-1.1

DRIVERS ARRESTED FOR OPERATING UNDER THE INFLUENCE OF LIQUOR (O.U.I.L.) – (UCR)

	18 - 20 YEARS				ALL AGES			
ARRESTS	1980	1981	1982	81 - 82 % Change	1980	1981	1982	81 - 82 % Change
Total	4,005	4,443	3,779	-14.9	41,032	47,511	41,129	-13.4
Male	3,628	3,991	3,332	-16.5	37,299	42,795	36,623	-14.4
Female	377	452	447	-1.1	3,733	4,716	4,506	-4.5

BREATH TESTING

Act No. 253, Public Acts of 1967, which became effective November 2, 1967, created "Implied Consent" in Michigan.

Under the National Highway Safety Act, the Federal government provided Michigan with financial assistance to purchase breath testing equipment and train officers in the use of the equipment. A training program was initiated with the cooperation of Michigan State University, Michigan Department of Public Health, Michigan Law Enforcement Officers Training Council and the Michigan Department of State Police. Training consisted of a comprehensive 40-hour course which was conducted at Michigan State University.

Michigan State University ceased active participation in the program in October, 1978, and the Department of Public Health and Department of State Police continued to train officers, through cooperative efforts, at the Michigan State Police Training Academy and the Detroit Metropolitan Police Academy. Effective April 1, 1981, the Legislature delegated the responsibility of certifying all breathalyzer equipment and operators to the Department of State Police. All 40-hour schools are now conducted by Michigan State Police personnel at both the Michigan State Police Academy and the Detroit Metropolitan Police Academy.

Police agencies from throughout Michigan participate in the program. By June of 1983, approximately 5,663 officers will have been trained. In addition to the initial training program, officers are required to be recertified annually during one-day regional training sessions to maintain their proficiency of operation and to keep abreast of the many changes in law and procedures. Currently there are nearly 2,000 active operators.

Initially, 246 breathalyzers and 248 simulators were received during the grant period. In 1979 an additional 156 breathalyzers were purchased and distributed to participating agencies. All units are maintained and serviced through a scheduled program by certified inspector-operators from the Michigan State Police and Detroit Police Department.

Test Results	Number of Tests	% of Total Tests	% of Arrests
.00 to .07	1,344	3.2	
.08 to .099	1,041	2.5	
.10 to .149	10,245	24.4	
.15 and over	29,306	69.9	
Total breath tests	41,936	100.0	79.0
Total tests refused*	11,172		21.0
Total persons arrested	53,108		100.0

***Based on refusal forms received by Department of State (includes information on certificates of conviction).**

Blood-alcohol levels of .04 are definitely associated with increased accident involvement according to studies. When the alcohol level reaches .06, the probability of causing an accident is twice that of the no-alcohol level, at .10 the probability is six times greater, and at .15 it is 25 times greater than if the driver were sober.

DUIL arrests decreased in 1982, 3.4% over 1981. In 1982, 9,179 arrests were made for drunk driving at the accident scene.

1982 DRIVER INFORMATION

While the crash phase and post-crash phase are important for the prevention of injury and death in all age groups, the pre-crash phase is especially critical among young drivers. What are his attitudes, motivations, perceptions and reactions behind the wheel in the critical minutes and seconds before the "point-of-no-escape"? Excessive speed and loss of control, etc., may occur at any age, but never more than among young drivers.

Effective October 6, 1980, legislation was passed which removed the requirement for a road test from students who had successfully completed a Driver Education Course.

Sex of Driver	NUMBER OF DRIVERS			
	Total	Fatal	Injury	Prop. Damage
Male	335,621	1,512	99,022	235,087
Female	156,372	415	51,476	104,481
TOTALS	**491,993**	**1,927**	**150,498**	**339,568**

Age Of Driver	Fatal Accident Drivers		Percent Change	Percent 1982 Fatal Accident Involvement	*Percent Driving Population
	1981	1982			
16 years and under	47	53	+12.8	2.7	
17 years	95	59	-37.9	3.1	8.6
18 - 19 years	162	159	-1.8	8.3	
20 - 24 years	419	352	-16.0	18.3	13.2
Group Sub-total	**723**	**623**	**-13.8**	**32.3**	**21.8**
25 - 34 years	577	494	-14.4	25.6	25.0
35 - 44 years	302	244	-19.2	12.7	17.5
45 - 54 years	228	201	-11.8	10.4	13.1
55 - 64 years	145	154	+6.2	8.0	12.5
65 - 74 years	98	76	-22.4	3.9	7.6
75 years and over	62	72	+16.1	3.7	2.5
Not Stated	57	63	+10.5	3.3	–
Group Sub-total	**1,469**	**1,304**	**-11.2**	**67.7**	**78.2**
TOTAL DRIVERS	**2,192**	**1,927**	**-12.1**	**100.0**	**100.0**

*** Based on 1982 Secretary of State Driver License data.**

1978 - 1982 TOTAL PERSONS KILLED

Age of Person	1978	1979	1980	1981	1982
0 - 4 years	43	39	41	24	22
5 - 9 years	74	57	52	53	37
10 - 14 years	80	63	64	57	48
15 - 19 years	358	342	306	224	219
20 - 24 years	379	310	337	268	223
25 - 34 years	397	350	363	343	297
35 - 44 years	200	190	174	172	146
45 - 54 years	163	167	142	134	122
55 - 64 years	152	128	128	113	118
65 - 74 years	116	99	77	97	80
75 years and over	105	95	85	96	100
Not Stated	9	9	5	8	5
TOTALS	**2,076**	**1,849**	**1,774**	**1,589**	**1,417**

RESIDENCE OF DRIVER

In approximately three out of four of all motor vehicle traffic accidents, and two out of three fatal accidents, one of the drivers was a local resident. This generally means he lived within 25 miles of the accident location.

Resident of Driver	Drivers, All Accidents		Drivers, Fatal Accidents		Drivers, Injury Accidents		Drivers, Property Damage Accidents	
	Number	% of Total	Number	% of Total	Number	% of Total	Number	% of Total
In County	365,846	74.4	1,364	70.8	115,140	76.5	249,342	73.4
Elsewhere in State	82,760	16.8	446	23.1	26,250	17.5	56,064	16.5
Non-resident	7,789	1.6	48	2.5	2,317	1.5	5,424	1.6
Not Stated	35,598	7.2	69	3.6	6,791	4.5	28,738	8.5
TOTALS	**491,993**		**1,927**		**150,498**		**339,568**	

ACCIDENT EXPERIENCE BY ROADWAY TYPE

The schedule below provides a detailed breakdown of estimated vehicle mileage, accidents, death rates (deaths per 100 million vehicle miles) and accident rates (accidents per 100 million vehicle miles) for the major roadways in Michigan.

Statewide	*Estimated Mileage (Billions)	All Accidents	Deaths	Death Rate	Rates	
					Personal Inj. Accidents	Total Accidents
Limited access roadway	15.0	19,986	138	0.92	45.0	133.2
U.S. & Michigan roads	16.3	73,193	454	2.79	135.2	449.0
County & local roads	30.0	201,792	825	2.75	195.3	672.6
TOTALS	**61.3**	**294,971**	**1,417**	**2.31**	**142.6**	**481.2**

***1982 Michigan Department of Transportation figures.**

OBJECTS HIT

Object Hit By Vehicle	% of Total Objects Hit	Total Objects Hit	Fatal Accid.	Personal Injury Accid.	Property Damage Accid.	Rural Accid.	Urban Accid.
Guard rail or post	8.4	4,028	32	1,425	2,571	2,472	1,556
Highway sign	10.6	5,066	22	1,413	3,631	2,780	2,286
Street light, utility pole	14.7	6,991	56	3,273	3,662	2,381	4,610
Culvert	0.8	398	17	204	177	363	35
Ditch, embankment, stream	16.7	7,977	31	3,023	4,923	6,558	1,419
Bridge pier or abutment	0.6	295	17	155	123	143	152
Bridge rail or deck	0.9	428	4	168	256	260	168
Tree	15.9	7,609	163	3,784	3,662	5,510	2,099
Highway or railroad signal	0.7	326	1	105	220	117	209
Building	3.2	1,516	15	571	930	353	1,163
Mailbox	7.6	3,604	17	793	2,794	2,950	654
Fence	5.7	2,720	12	776	1,932	1,406	1,314
Traffic isle or curb	2.2	1,047	18	316	713	263	784
Concrete barrier in median	2.8	1,352	8	651	693	174	1,178
Other on-trafficway object	6.0	2,846	14	737	2,095	1,480	1,366
Other off-trafficway object	2.6	1,242	35	393	814	711	531
Overhead fixed object	0.5	221	0	14	207	104	117
Not known	0.1	60	3	25	32	23	37
TOTALS	**100.0**	**47,726**	**465**	**17,826**	**29,435**	**28,048**	**19,678**
PERCENT TOTALS		**100.0**	**1.0**	**37.3**	**61.7**	**58.8**	**41.2**

The above summary lists incidents in which a fixed object was struck either as primary object hit or as the secondary object hit (rebound).

REGISTRATIONS

	VEHICLE							OTHER	
COUNTIES	PASSENGER	COMMERCIAL	TRAILER	MOTORCYCLE	TOTAL PLATES	TOTAL REVENUE	WATERCRAFT	SNOWMOBILE	OFF ROAD
Alcona	5,969	2,286	1,659	320	10,234	$ 282,583.21	1,881	1,209	140
Alger	4,191	2,137	1,101	321	7,750	210,764.42	1,516	1,700	176
Allegan	41,697	15,813	9,460	2,875	69,845	2,457,907.84	7,889	4,353	480
Alpena	18,951	6,459	4,428	932	28,770	816,074.06	4,621	3,286	91
Antrim	9,408	3,455	2,495	612	15,968	422,135.03	3,835	1,782	78
Arenac	7,881	3,328	2,347	468	14,024	402,308.69	3,059	1,711	150
Baraga	4,055	1,860	917	239	7,071	190,187.34	886	842	25
Barry	22,850	8,645	5,464	1,755	38,714	997,623.99	7,040	3,591	223
Bay	64,436	16,372	15,277	3,175	99,260	3,021,821.25	10,150	8,911	1,428
Benzie	6,319	2,358	1,721	442	10,840	278,894.26	2,951	1,268	31
Berrien	89,044	24,516	14,379	4,597	132,536	4,010,298.39	13,231	4,399	295
Branch	19,966	7,799	5,812	1,682	35,259	1,118,424.05	6,375	2,556	103
Calhoun	78,747	19,086	13,750	5,066	114,551	3,131,422.10	11,105	4,340	486
Cass	24,396	9,203	5,059	1,877	40,335	1,133,290.49	8,653	3,144	177
Charlevoix	10,942	4,038	2,726	752	18,458	508,373.83	3,358	2,187	95
Cheboygan	11,271	4,392	3,192	781	19,636	521,828.19	4,397	3,337	94
Chippewa	13,319	5,530	3,647	818	23,314	665,394.83	4,714	4,873	198
Clare	12,187	5,181	3,475	719	21,542	571,889.35	3,308	2,778	230
Clinton	28,195	9,645	6,868	2,086	46,594	1,280,875.53	4,804	4,586	332
Crawford	4,957	2,025	1,386	288	8,656	227,741.20	2,372	1,484	207
Delta	20,310	8,069	6,101	1,281	35,761	1,120,179.25	4,195	4,613	486
Dickinson	13,632	5,512	3,687	959	23,790	749,483.11	2,848	2,492	263
Eaton	44,076	12,245	9,112	3,153	68,586	1,978,818.38	6,896	5,071	607
Emmet	13,487	4,637	2,956	755	21,835	652,428.26	3,696	2,178	123
Genesee	246,568	53,046	40,679	12,367	352,660	10,046,769.48	32,096	22,272	2,668
Gladwin	9,917	4,381	3,270	567	18,135	470,807.56	3,293	2,335	243
Gogebic	9,173	3,848	1,952	521	15,492	429,733.51	2,599	1,720	78
Gd. Traverse	34,421	10,017	7,973	1,882	54,293	1,582,603.95	8,816	4,306	379
Gratiot	19,551	7,232	5,175	1,483	33,441	1,057,707.71	2,862	2,911	284
Hillsdale	20,554	8,411	5,256	1,568	35,789	1,097,220.46	3,739	2,473	151
Houghton	15,529	5,142	2,450	925	24,046	650,442.22	2,803	2,201	46
Huron	19,478	8,016	5,322	1,270	34,086	1,062,815.98	3,032	3,977	208
Ingham	148,027	30,703	20,620	8,044	207,394	6,425,260.58	15,922	7,066	1,021
Ionia	24,259	8,433	5,494	1,890	40,076	1,120,269.92	4,061	3,024	249
Iosco	15,187	5,083	4,044	905	25,199	686,936.54	4,789	2,621	255
Iron	6,974	3,310	1,859	310	12,453	351,079.17	2,489	1,495	70
Isabella	21,227	7,379	4,809	1,485	34,900	1,101,013.44	3,191	2,402	157
Jackson	78,490	21,170	13,946	4,699	118,305	3,380,656.38	13,405	6,031	621
Kalamazoo	117,963	25,424	17,354	6,268	167,009	4,804,727.76	17,297	5,232	702
Kalkaska	5,932	3,213	1,932	411	11,488	441,760.09	1,838	1,465	113
Kent	262,755	54,975	49,902	14,034	381,666	12,822,839.36	35,327	15,984	2,411
Keweenaw	1,047	387	199	48	1,681	49,748.92	325	200	4
Lake	3,882	1,729	1,056	200	6,867	173,449.64	1,818	959	93
Lapeer	34,046	11,911	7,260	2,577	55,794	1,543,640.48	4,460	5,503	363
Leelanau	8,042	2,694	2,186	386	13,308	359,549.72	3,516	1,563	40
Lenawee	46,153	14,956	9,534	3,042	73,685	2,086,011.89	7,251	5,962	320
Livingston	54,026	14,218	9,653	2,999	80,896	2,166,812.42	9,746	6,040	404
Luce	2,937	1,574	1,103	153	5,767	174,699.57	1,337	1,157	68
Mackinac	4,895	2,236	1,409	360	8,900	233,961.08	3,069	2,362	117
Macomb	441,835	58,137	46,346	14,136	560,454	15,985,396.14	39,259	20,047	2,909
Manistee	12,041	4,276	2,890	711	19,918	555,536.71	3,015	1,533	124
Marquette	33,254	11,781	6,317	2,494	53,846	1,394,643.53	6,284	5,804	501
Mason	13,466	4,976	3,212	993	22,647	633,420.84	3,757	1,945	77
Mecosta	14,043	5,347	3,410	801	23,601	644,419.53	3,854	2,309	76
Menominee	13,004	5,383	3,505	894	22,786	745,505.78	2,421	2,453	126
Midland	43,117	9,886	9,793	2,348	65,146	1,679,802.40	7,771	3,956	682
Missaukee	5,106	2,717	1,533	369	9,725	296,472.92	1,577	1,308	37
Monroe	69,914	19,480	14,438	4,158	107,990	3,186,001.77	9,821	6,823	625
Montcalm	24,031	9,194	5,979	1,511	40,715	1,144,710.58	5,076	3,506	234
Montmorency	4,130	2,079	1,360	250	7,819	210,412.45	1,787	1,313	96
Muskegon	84,567	20,748	15,856	5,324	126,495	3,611,999.13	13,305	7,044	953
Newaygo	17,388	7,681	4,640	1,397	31,106	918,069.97	4,556	2,957	324
Oakland	635,725	90,887	61,724	21,251	809,587	23,341,128.35	61,652	33,021	4,090
Oceana	10,630	4,675	2,503	718	18,426	522,969.08	1,967	1,846	155
Ogemaw	8,969	4,455	2,810	537	16,771	512,254.02	2,554	2,271	170
Ontonagon	4,859	2,341	1,363	292	8,855	232,351.76	1,295	1,769	121
Osceola	9,221	4,157	2,363	591	16,332	478,589.88	1,835	2,047	89
Oscoda	3,907	1,944	1,209	228	7,188	189,822.01	1,529	1,125	108
Otsego	8,299	3,442	2,198	465	14,405	444,163.02	2,147	1,966	99
Ottawa	88,847	22,467	19,440	5,625	136,379	4,180,294.27	14,592	7,665	1,016
Presque Isle	6,817	3,126	1,934	411	12,288	326,463.85	2,313	1,882	84
Roscommon	10,303	5,665	3,181	559	17,708	444,610.26	5,319	4,060	249
Saginaw	122,663	26,421	22,371	5,133	176,588	5,072,552.49	16,474	12,760	1,273
St. Clair	74,179	19,276	12,818	3,952	110,225	3,358,857.66	11,453	7,278	452
St. Joseph	29,278	10,585	6,366	2,213	48,444	1,374,875.33	7,855	2,117	166
Sanilac	19,777	7,861	4,483	1,452	33,573	1,017,586.80	1,724	3,129	92
Schoolcraft	4,233	1,878	1,334	292	7,735	221,153.83	1,765	1,502	289
Shiawassee	35,992	11,672	7,525	2,650	57,839	1,590,988.03	4,759	5,262	536
Tuscola	28,110	11,539	8,169	2,087	49,905	1,463,275.23	4,048	5,964	423
Van Buren	32,829	12,470	6,003	2,151	53,453	1,451,448.86	6,952	2,445	186
Washtenaw	140,316	24,841	14,897	6,203	185,857	5,053,210.18	14,714	7,079	585
Wayne	1,208,478	156,927	103,197	33,439	1,502,041	48,341,061.44	81,165	25,398	4,575
Wexford	12,800	4,657	3,484	818	21,759	615,373.19	3,938	2,308	102
Non-Resident	25,666	10,329	18,765	191	54,951	3,883,195.28	27,437	4,818	1,085
TOTAL	5,075,091	1,096,057	778,374	230,794	7,179,316	—	692,609	398,619	40,325

ANNUAL REPORT

* There were 1,417 persons killed and 130,061 persons injured in 294,971 reported motor vehicle traffic accidents in Michigan during 1982. Compared with 1981 experience, deaths decreased 10.8 percent, injuries decreased 4.7 percent and total reported accidents showed a 2.6 percent decrease.
* This year deaths were the lowest since 1958.
* Some exposure factor comparisons between 1982 and 1981 show motor vehicle registrations rose 4.2 percent, vehicle mileage dropped 1.1 percent and licensed drivers increased 0.4 percent.
* With the increase in some exposure factors in 1982 the death rate of 2.31 per 100 million vehicle miles of travel is a decrease from the 1981 death rate of 2.56.
* Urban deaths decreased 9.2 percent, injuries decreased 4.8 percent and total accidents decreased 2.1 percent as compared to 1981.
* Rural deaths decreased 11.6 percent, injuries decreased 4.6 percent and total accidents decreased 3.3 percent as compared to 1981.
* Urban areas accounted for 60 percent of all accidents and 34 percent of all traffic deaths.
* Rural areas accounted for 40 percent of all accidents and 66 percent of all traffic deaths.
* Rural areas accounted for 41 percent of all injuries while 59 percent were in urban areas.
* Pedestrian deaths decreased 47 persons over the 1981 figure. Rural pedestrian deaths were down 5 over 1981 and urban pedestrian deaths were down a total of 42 persons.

* * * * *

TS-1 (Part 1) Rev. 1-71

Motor Vehicle Traffic Accidents in Michigan

PERIOD YEAR - 1982

Compiled by the Michigan State Police

SUMMARY OF ALL REPORTED ACCIDENTS

COLONEL GERALD L. HOUGH, DIRECTOR

Summary Includes Information Available _____

STATEWIDE

TOTAL ACCIDENTS		NUMBER OF ACCIDENTS				NUMBER OF PERSONS							THIS YEAR TO DATE		
		Total	Fatal	Injury	P.D.	Total Occupants	Killed	Injured	Not Injured	Injured A	Injured B	Injured C	Accidents	Killed	Injured
	1. Overturned	10101	92	5821	4188	15765	93	7730	7942	1602	3264	2864	10101	93	7730
	2. Other Non-collision	1870	18	659	1193	3458	19	733	2706	221	310	202	1870	19	733
Collision with:	3. Pedestrian	4401	212	4011	178	11312	215	4296	6801	1404	1589	1303	4401	215	4296
	4. M.V. In Transport	183782	516	55243	128023	590557	599	90219	499739	9902	23524	56793	183782	599	90219
	5. M.V.—Other Roadway	64	4	35	25	214	4	76	134	26	27	23	64	4	76
	6. Parked M.V.	29174	24	2842	26308	39452	27	3589	35836	432	1530	1627	29174	27	3589
	7. Railroad Train	281	24	117	140	404	28	159	217	55	69	35	281	28	159
	8. Pedalcyclist	4096	50	3496	550	10257	50	3697	6510	775	1685	1237	4096	50	3697
	9. Animal	19399	1	579	18819	33157	1	677	32479	91	259	327	19399	1	677
	10. Fixed Object	40988	338	14436	26214	61881	379	18704	42798	3874	8199	6631	40988	379	18704
	11. Other Object	815	2	145	668	1408	2	181	1225	34	76	71	815	2	181
	Totals	294971	1281	87384	206306	767865	1417	130061	636387	18416	40532	71113	294971	1417	130061

ON ROADWAY ACCIDENTS		NUMBER OF ACCIDENTS				NUMBER OF PERSONS							THIS YEAR TO DATE		
		Total	Fatal	Injury	P.D.	Total Occupants	Killed	Injured	Not Injured	Injured A	Injured B	Injured C	Accidents	Killed	Injured
	1. Overturned	2060	8	1443	609	3040	8	1772	1260	383	914	475	2060	8	1772
	2. Other Non-collision	1542	15	580	947	2969	16	643	2310	195	273	175	1542	16	643
Collision with:	3. Pedestrian	4214	203	3837	174	10868	206	4096	6566	1342	1520	1234	4214	206	4096
	4. M.V. In Transport	183386	507	55122	127757	589281	584	90004	498693	9856	23452	56696	183386	584	90004
	5. M.V.—Other Roadway	63	4	35	24	212	4	76	132	26	27	23	63	4	76
	6. Parked M.V.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7. Railroad Train	274	24	117	133	394	28	159	207	55	69	35	274	28	159
	8. Pedalcyclist	3955	47	3381	527	9926	47	3574	6305	754	1621	1199	3955	47	3574
	9. Animal	19360	1	573	18786	33085	1	669	32415	90	257	322	19360	1	669
	10. Fixed Object	1085	14	269	802	1657	17	345	1295	66	135	144	1085	17	345
	11. Other Object	748	2	127	619	1305	2	160	1143	30	66	64	748	2	160
	Totals	216687	825	65484	150378	652737	913	101498	550326	12797	28334	60367	216687	913	101498

OFF ROADWAY ACCIDENTS		NUMBER OF ACCIDENTS				NUMBER OF PERSONS							THIS YEAR TO DATE		
		Total	Fatal	Injury	P.D.	Total Occupants	Killed	Injured	Not Injured	Injured A	Injured B	Injured C	Accidents	Killed	Injured
	1.Overturned	8041	84	4378	3579	12725	85	5958	6682	1219	2350	2389	8041	85	5958
	2.Other Non-Collision	328	3	79	246	489	3	90	396	26	37	27	328	3	90
Collision with:	3.Pedestrian	187	9	174	4	444	9	200	235	62	69	69	187	9	200
	4.M.V. In Transport	396	9	121	266	1276	15	215	1046	46	72	97	396	15	215
	5.M.V.–Other Roadway	1	0	0	1	2	0	0	2	0	0	0	1	0	0
	6.Parked Motor Vehicle	29174	24	2842	26308	39452	27	3589	35836	432	1530	1627	29174	27	3589
	7.Railroad Train	7	0	0	7	10	0	0	10	0	0	0	7	0	0
	8.Pedalcyclist	141	3	115	23	331	3	123	205	21	64	38	141	3	123
	9.Animal	39	0	6	33	72	0	8	64	1	2	5	39	0	8
	10.Fixed Object	39903	324	14167	25412	60224	362	18359	41503	3808	8064	6487	39903	362	18359
	11.Other Object	67	0	18	49	103	0	21	82	4	10	7	67	0	21
	Totals	78284	456	21900	55928	115128	504	28563	86061	5619	12198	10746	78284	504	28563

ROAD SURFACE	NUMBER OF ACCIDENTS			
	Total	Fatal	Injury	P.D.
Dry	169583	895	54148	114540
Wet	61378	230	19012	42136
Snowy/Icy	61429	143	13465	47821
Other	2581	13	759	1809
Total	294971	1281	87384	206306

LIGHT CONDITION	NUMBER OF ACCIDENTS			
	Total	Fatal	Injury	P.D.
Daylight	174687	489	51309	122889
Dawn/Dusk	13180	52	3530	9598
Darkness/Lights	36967	235	12318	24414
Darkness/No Lights	68859	502	20022	48335
Not Stated	1278	3	205	1070
Total	294971	1281	87384	206306

AGE	NUMBER OF PERSONS KILLED									
	Total	Male	Female	Driver	Pass.	Ped.	Pedal/cycle	M/cycle	Farm	Other
0- 4	22	13	9	0	13	9	0	0	0	0
5- 9	37	23	14	0	6	19	9	3	0	0
10-14	48	35	13	0	14	10	19	3	0	2
15-19	219	170	49	97	73	21	9	17	0	2
20-24	223	166	57	100	59	32	3	27	0	2
25-34	297	232	65	171	49	37	5	33	1	1
35-44	146	98	48	81	22	24	0	17	1	1
45-54	122	78	44	72	26	15	2	7	0	0
55-64	118	76	42	66	21	20	2	7	1	1
65-74	80	46	34	42	24	12	0	0	1	1
75 & Over	100	64	36	48	22	28	1	0	1	0
Not Stated	5	5	0	2	2	0	0	1	0	0
Total	1417	1006	411	679	331	227	50	115	5	10

AGE	NUMBER OF PERSONS INJURED									
	Total	Male	Female	Driver	Pass.	Ped.	Pedal/cycle	M/cycle	Farm	Other
0- 4	2659	1386	1273	0	2289	305	40	6	0	19
5- 9	4074	2224	1850	1	2743	735	528	38	1	28
10-14	5746	3094	2652	70	3350	677	1291	282	4	72
15-19	23198	12878	10320	11399	8681	718	888	1318	20	174
20-24	22317	12704	9613	13839	5923	522	346	1507	11	169
25-34	29030	15993	13037	19712	6269	661	282	1829	11	266
35-44	15838	8063	7775	11360	3277	318	113	634	9	127
45-54	10141	4874	5267	7091	2480	215	33	236	5	81
55-64	8179	3761	4418	5559	2274	169	35	87	4	51
65-74	4469	1985	2484	2778	1507	115	16	32	4	17
75 & Over	2289	1008	1281	1274	866	115	9	9	1	15
Not Stated	2121	1086	1035	1125	749	69	36	97	3	42
Total	130061	69056	61005	74208	40408	4619	3617	6075	73	1061

CODE OF INJURY

A–INCAPACITATING INJURY–Any injury other than fatal which prevents normal activities and generally requires hospitalization.

B–NON-INCAPACITATING INJURY–Any injury not incapacitating but evident to others at the scene.

C–POSSIBLE INJURY–No visible injury but complaint of pain or momentary unconsciousness.

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STATEWIDE

STATEWIDE

MUNICIPALITIES	NUMBER OF PERSONS											THIS YEAR TO DATE			
		KILLED			INJURED			INJURY SEVERITY				ON ROADWAY		OFF ROADWAY	
	TOTAL OCCUP.	Total	On Roadway	Off Roadway	Total	On Roadway	Off Roadway	A	B	C	Not Injured	Killed	Injured	Killed	Injured
1. Townships	269560	910	542	368	50661	33621	17040	9541	17918	23202	217989	542	33621	368	17040
2. Under 1,000	5596	8	4	4	702	536	166	130	233	339	4886	4	536	4	166
3. 1,000 - 2,500	15599	15	13	2	1813	1436	377	310	662	841	13771	13	1436	2	377
4. 2,500 - 5,000	23023	25	18	7	2956	2447	509	418	954	1584	20042	18	2447	7	509
5. 5,000 - 10,000	27663	26	21	5	3345	2731	614	480	1181	1684	24292	21	2731	5	614
6. 10,000 - 25,000	59402	64	47	17	8657	7308	1349	1136	2652	4869	50681	47	7308	17	1349
7. 25,000 - 50,000	82879	83	63	20	12647	10897	1750	1429	3788	7430	70149	63	10897	20	1750
8. 50,000 - 100,000	93739	98	67	31	15664	13673	1991	1717	4650	9297	77977	67	13673	31	1991
9. 100,000 - 250,000	82691	81	58	23	12757	11013	1744	1271	3789	7697	69853	58	11013	23	1744
10. 250,000 or more	107713	107	80	27	20859	17836	3023	1984	4705	14170	86747	80	17836	27	3023
Totals	767865	1417	913	504	130061	101498	28563	18416	40532	71113	636387	767913	101498	504	28563

MUNICIPALITIES	NUMBER OF ACCIDENTS												THIS YEAR TO DATE			
	ALL ACCIDENTS				ON ROADWAY				OFF ROADWAY							
	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.
1. Townships	110051	814	33213	76024	75520	482	20368	54670	34531	332	12845	21354	110051	814	33213	76024
2. Under 1,000	2220	8	483	1729	1401	4	351	1046	819	4	132	683	2220	8	483	1729
3. 1,000 - 2,500	5948	15	1312	4621	4178	13	1009	3156	1770	2	303	1465	5948	15	1312	4621
4. 2,500 - 5,000	8511	23	2055	6433	6401	16	1649	4736	2110	7	406	1697	8511	23	2055	6433
5. 5,000 - 10,000	10409	20	2369	8020	7585	16	1891	5678	2824	4	478	2342	10409	20	2369	8020
6. 10,000 - 25,000	22123	57	5965	16101	16649	41	4890	11718	5474	16	1075	4383	22123	57	5965	16101
7. 25,000 - 50,000	30855	78	8686	22091	23762	58	7287	16417	7093	20	1399	5674	30855	78	8686	22091
8. 50,000 - 100,000	33646	90	10633	22923	26944	63	9062	17819	6702	27	1571	5104	33646	90	10633	22923
9. 100,000 - 250,000	30377	77	8780	21520	23590	56	7387	16147	6787	21	1393	5373	30377	77	8780	21520
10. 250,000 or more	40831	99	13888	26844	30657	76	11590	18991	10174	23	2298	7853	40831	99	13888	26844
Totals	294971	1281	87384	206306	216687	825	65484	150378	78284	456	21900	55928	294971	1281	87384	206306

CLASS OF TRAFFICWAY	NUMBER OF PERSONS											THIS YEAR TO DATE			
		KILLED			INJURED			INJURY SEVERITY				ON ROADWAY		OFF ROADWAY	
	TOTAL OCCUP.	Total	On Roadway	Off Roadway	Total	On Roadway	Off Roadway	A	B	C	Not Injured	Killed	Injured	Killed	Injured
1. Interstate System	38175	95	56	39	7387	4855	2532	1083	2202	4102	30693	56	4855	39	2532
2. Other Full Control	11872	43	21	22	2529	1674	855	330	719	1480	9300	21	1674	22	855
3. Other US Route	54872	122	94	28	8902	7339	1563	1382	2656	4864	45848	94	7339	28	1563
4. Other State M Routes	152148	332	252	80	25611	22204	3407	3748	7652	14211	126205	252	22204	80	3407
5. Other Major Arterial	26092	21	14	7	3890	3537	353	449	1051	2390	22181	14	3537	7	353
6. County Roads	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7. Local Streets	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8. Other Trafficways	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9. Local Roads—N.K.	484706	804	476	328	81742	61889	19853	11424	26252	44066	402160	476	61889	328	19853
Totals	767865	1417	913	504	130061	101498	28563	18416	40532	71113	636387	913	101498	504	28563

CLASS OF TRAFFICWAY	NUMBER OF ACCIDENTS												THIS YEAR TO DATE			
	ALL ACCIDENTS				ON ROADWAY				OFF ROADWAY							
	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.
1. Interstate System	15271	79	5069	10123	10290	45	3147	7098	4981	34	1922	3025	15271	79	5069	10123
2. Other Full Control	4715	40	1676	2999	3125	18	1019	2088	1590	22	657	911	4715	40	1676	2999
3. Other US Route	19637	109	5745	13783	15941	84	4535	11322	3696	25	1210	2461	19637	109	5745	13783
4. Other State M Routes	53556	292	16291	36973	45420	224	13713	31483	8136	68	2578	5490	53556	292	16291	36973
5. Other Major Arterial	8775	21	2530	6224	7637	14	2258	5365	1138	7	272	859	8775	21	2530	6224
6. County Roads	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7. Local Streets	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8. Other Trafficways	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9. Local Roads–N.K.	193017	740	56073	136204	134274	440	40812	93022	58743	300	15261	43182	193017	740	56073	136204
Totals	294971	1281	87384	206306	216687	825	65484	150378	78284	456	21900	55928	294971	1281	87384	206306

PEDESTRIAN ACCIDENTS	ALL ACCIDENTS			FATAL			INJURY			PROPERTY DAMAGE		
	Total	At Inter.	Not At Inter.	Total	At Inter.	Not At Inter.	Total	At Inter.	Not At Inter.	Total	At Inter	Not At Inter.
1. Car Going Straight	3663	1509	2154	202	44	158	3315	1396	1919	146	69	77
2. Car Turning Right	196	170	26	2	2	0	187	162	25	7	6	1
3. Car Turning Left	244	199	45	5	2	3	225	183	42	14	14	0
4. Car Backing	182	52	130	2	1	1	175	48	127	5	3	2
5. All Others	94	26	68	1	0	1	87	25	62	6	1	5
6. Not Stated	22	7	15	0	0	0	22	7	15	0	0	0
Totals	4401	1963	2438	212	49	163	4011	1821	2190	178	93	85

PEDESTRIAN ACTIONS BY AGE	PEDESTRIANS KILLED	AGE OF PEDESTRIANS KILLED AND INJURED									
		Total	0 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 44	45 to 64	65 & Older	Not Stated
1a. Crossing at intersection or in crosswalk	42	1541	74	267	278	207	144	296	141	113	21
1b. Crossing not at intersection or in crosswalk	78	1456	194	393	248	160	99	177	95	74	16
2a. Walking in roadway–with traffic	38	363	3	9	45	110	65	89	28	8	6
2b. Walking in roadway–against traffic	5	76	0	4	11	16	11	25	2	6	1
3. Standing in roadway	36	230	4	3	10	44	42	85	28	11	3
4. Pushing or working on vehicle in roadway	4	158	1	1	2	32	49	55	12	2	4
5. Other working in roadway	1	29	0	0	1	2	6	15	3	2	0
6. Playing in roadway	0	58	11	23	19	2	1	2	0	0	0
7. Other in roadway	4	382	8	21	34	76	58	114	45	15	11
8. Not in roadway	17	505	16	31	34	75	72	168	63	39	7
9. Not Stated	2	48	3	2	5	15	7	14	2	0	0
Totals	227	4846	314	754	687	739	554	1040	419	270	69

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STATEWIDE

TWO MOTOR VEHICLE ACCIDENTS		Total	Fatal	Injury	P.D.
At Intersection	1. Entering at angle	44632	158	15251	29223
	2a. From same direction—Both Going Straight	9173	1	1915	7257
	2b. Same—one turn, one straight	9279	4	1813	7462
	2c. Same—one stopped	21170	8	7287	13875
	2d. Same—all others	2016	0	145	1871
	3a. From opposite direction—Both Going Straight	2559	13	894	1652
	3b. Same—one left turn, one straight	11969	17	4930	7022
	3c. Same—all others	599	2	129	468
	4. Not stated	6655	1	635	6019
Totals		108052	204	32999	74849

TWO MOTOR VEHICLE ACCIDENTS		Total	Fatal	Injury	P.D.
Not At Intersection	1. Going opposite direction—Both Moving	8669	214	3066	5389
	2. Going same direction—Both Moving	21995	37	5759	16199
	3a. One car parked	22519	23	2207	20289
	3b. One car stopped in traffic	16789	14	5895	10880
	4a. One car entering parked pos.	169	1	32	136
	4b. One car leaving parked pos.	1741	0	181	1560
	5a. One car enter. driveway access	13965	18	4199	9748
	5b. One car leaving d/way access	17643	21	3486	14136
	6. All others/not stated	1478	12	296	1170
Totals		104968	340	25121	79507

ALL OTHER ACCIDENTS			Total	Fatal	Injury	P.D.
At Inter.	Collision With:	1. Other road veh., or RR train	2384	19	2001	364
		2. Fixed object	10299	28	3317	6954
		3. Other object or animal	439	0	51	388
	4. Overturning		1291	12	870	409
	5. Other noncollision		412	2	213	197
Not At Inter.	Collision With:	6. Other road veh., or RR train	1993	55	1612	326
		7. Fixed Object	30689	310	11119	19260
		8. Other object or animal	19775	3	673	19099
	9. Overturning		8810	80	4951	3779
	10. Other noncollision		1456	16	445	995
	11. Not stated		2	0	1	1
Totals			77550	525	25253	51772

STATEWIDE

HAZARDOUS ACTION*	NUMBER OF TRAFFIC UNITS			
	TOTAL	Fatal	Injury	P.D.
1. No Violation	232985	888	73676	158421
2. Speed Too Fast	32282	299	12256	19727
3. Speed Too Slow	214	1	86	127
4. Disregard Control/ROW	67501	3[illegible]	26163	40984
5. Wrong Way	584	17	241	326
6. Left Center/Improper Pass/Lane	33111	212	7446	25453
7. Improper Turn/Signal	13455	10	3022	10423
8. Improper Backing/Start	16810	5	1026	15779
9. Following/Unable To Stop	95233	211	32149	62873
10. Other/Not Known	9078	231	2641	6206
11.				
12.				
13.				
14.				
Totals	501253	2228	158706	340319

CONTRIBUTING CIRCUMSTANCE*	NUMBER OF TRAFFIC UNITS			
	TOTAL	Fatal	Injury	P.D.
1. None	214145	776	67876	145493
2. DUIL/Drugs	9289	318	4035	4936
3. Reckless/Careless	9518	81	5055	4382
4. Inattention/Ill/Etc.	4305	25	1881	2399
5. Violation License Restriction	38	0	11	27
6. Obscured Vision	8188	26	2602	5560
7. Defective Equipment	4517	7	1554	2956
8. Lost Control/Load/Wind	324	3	97	224
9. Skidding	21828	23	5554	16251
10. Other/Not Known	229101	969	70041	158091
11.				
12.				
13.				
14.				
Totals	501253	2228	158706	340319

*Includes pedestrians and drivers

MANNER OF TWO MOTOR VEHICLE COLLISION	Total	Fatal	Injury	P.D.
1. Head on	10336	221	3740	6375
2. Rear end	26898	31	6876	19991
3. Sideswipe-meeting	366	2	42	322
4. Sideswipe-passing	1326	1	149	1176
5. Angle	29310	147	11957	17206
6. Backed into	4123	2	280	3841
7. All others	140590	138	35060	105392
8. Not stated	71	2	16	53
Totals	213020	544	58120	154356

TYPE OF VEHICLE	Total	Fatal	Injury	P.D.
1. Passenger car	380230	1382	119691	259157
2. Passenger car and trailer	1530	5	382	1143
3. Truck or truck tractor	68457	272	17710	50475
4. Truck tractor and semi-trailer	5003	62	1323	3618
5. Other truck combination	1980	16	408	1556
6. Farm tractor and/or farm equip.	371	8	136	227
7. Bus	1377	3	430	944
8. School Bus	1526	7	275	1244
9. Motorcycle/Motor scooter	6529	122	5457	950
10. Other/not stated	25662	50	4767	20845
Totals	492665	1927	150579	340159

DRINKING CONDITION DRIVERS	NUMBER OF DRIVERS			
	Total	Fatal	Injury	P.D.
1. Had been drinking	44427	723	20154	23550
2. Not known if drinking	49491	92	10276	39123
3. Had not been drinking	398075	1112	120068	276895
Totals	491993	1927	150498	339568

DRINKING IN ACCIDENT	NUMBER OF ACCIDENTS			
	Total	Fatal	Injury	P.D.
1. Had been drinking	42554	712	19212	22630
2. Not known if drinking	20960	16	2963	17981
3. Had not been drinking	231457	553	65209	165695
Totals	294971	1281	87384	206306

DRINKING CONDITION PEDESTRIAN	NUMBER OF PEDESTRIANS			
	Total	Fatal	Injury	P.D.
1. Had been drinking	218	85	130	3
2. Not known if drinking	4141	37	3928	176
3. Had not been drinking	715	126	576	13
Totals	5074	248	4634	192

AGE OF DRIVER	NUMBER OF DRIVERS			
	Total	Fatal	Injury	P.D.
1. 15 and Younger	1412	9	759	645
2. 16	13036	44	4163	8829
3. 17	18227	59	5698	12470
4. 18 to 19	39730	159	12602	26969
5. 20 to 24	82363	352	26465	55546
6. 25 to 34	116337	494	37479	78364
7. 35 to 44	67449	244	21521	45684
8. 45 to 54	43412	201	13561	29650
9. 55 to 64	35135	154	10932	24049
10. 65 to 74	18077	76	5538	12463
11. 75 and older	8421	72	2521	5828
12. Not stated*	48393	63	9259	39071
Totals	491993	1927	150498	339568
H & R Drivers (Not Apprehended)	0	0	0	0

SEX OF DRIVER	Total	Fatal	Injury	P.D.
1. Male	335621	1512	99022	235087
2. Female	156372	415	51476	104481
Totals	491993	1927	150498	339568

RESIDENCE OF DRIVER	Total	Fatal	Injury	P.D.
1. Local resident	365846	1364	115140	249342
2. Residing elsewhere	82760	446	26250	56064
3. Non-resident	7789	48	2317	5424
4. Not stated	35598	69	6791	28738
Totals	491993	1927	150498	339568
Driverless Moving	672	0	81	591

MILEAGE RATES	This Year To Date	Last Year Same Period	Percent Change
1. Motor vehicle traffic deaths			%
2. Estimated motor veh. mileage traveled (billions)			%
3. Death rate per 100-million-vehicle-miles			%
4. Fatal accident rate per 100-million-vehicle-miles			%

*Includes Hit & Run Drivers

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Motor Vehicle Traffic Accidents in Michigan

PERIOD YEAR - 1982

Compiled by the Michigan State Police

SUMMARY OF ALL REPORTED ACCIDENTS

COLONEL GERALD L. HOUGH, DIRECTOR

Summary Includes Information Available _____

URBAN

TOTAL ACCIDENTS	NUMBER OF ACCIDENTS				NUMBER OF PERSONS							THIS YEAR TO DATE		
	Total	Fatal	Injury	P.D.	Total Occupants	Killed	Injured	Not Injured	Injured A	Injured B	Injured C	Accidents	Killed	Injured
1. Overturned	1679	10	1099	570	2390	10	1341	1039	264	614	463	1679	10	1341
2. Other Non-collision	702	7	291	404	1320	8	317	995	77	137	103	702	8	317
Collision with: 3. Pedestrian	3412	112	3154	146	8687	115	3351	5221	1001	1264	1086	3412	115	3351
Collision with: 4. M.V. In Transport	126544	175	37146	89223	399092	196	58812	340084	4884	13920	40008	126544	196	58812
Collision with: 5. M.V.–Other Roadway	29	1	15	13	91	1	27	63	13	3	11	29	1	27
Collision with: 6. Parked M.V.	24333	12	2306	22015	32423	13	2846	29564	295	1223	1328	24333	13	2846
Collision with: 7. Railroad Train	140	7	51	82	192	9	63	120	18	28	17	140	9	63
Collision with: 8. Pedalcyclist	3013	22	2558	433	7461	22	2681	4758	494	1233	954	3013	22	2681
Collision with: 9. Animal	506	0	34	472	817	0	39	778	3	23	13	506	0	39
Collision with: 10. Fixed Object	16066	97	5665	10304	24106	109	7334	16663	1377	3245	2712	16066	109	7334
Collision with: 11. Other Object	328	1	57	270	531	1	74	456	9	29	36	328	1	74
Totals	176752	444	52376	123932	477110	484	76885	399741	8435	21719	46731	176752	484	76885

ON ROADWAY ACCIDENTS	NUMBER OF ACCIDENTS				NUMBER OF PERSONS							THIS YEAR TO DATE		
	Total	Fatal	Injury	P.D.	Total Occupants	Killed	Injured	Not Injured	Injured A	Injured B	Injured C	Accidents	Killed	Injured
1. Overturned	760	3	551	206	1044	3	658	383	127	341	190	760	3	658
2. Other Non-collision	634	6	277	351	1209	7	302	900	73	131	98	634	7	302
Collision with: 3. Pedestrian	3296	105	3046	145	8413	108	3227	5078	971	1214	1042	3296	108	3227
Collision with: 4. M.V. In Transport	126365	173	37091	89101	398538	192	58720	339626	4868	13898	39954	126365	192	58720
Collision with: 5. M.V.–Other Roadway	29	1	15	13	91	1	27	63	13	3	11	29	1	27
Collision with: 6. Parked M.V.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Collision with: 7. Railroad Train	136	7	51	78	188	9	63	116	18	28	17	136	9	63
Collision with: 8. Pedalcyclist	2906	21	2472	413	7211	21	2589	4601	480	1184	925	2906	21	2589
Collision with: 9. Animal	502	0	33	469	813	0	38	775	3	23	12	502	0	38
Collision with: 10. Fixed Object	655	9	166	480	1014	12	210	792	41	76	93	655	12	210
Collision with: 11. Other Object	305	1	54	250	501	1	71	429	8	27	36	305	1	71
Totals	135588	326	43756	91506	419022	354	65905	352763	6602	16925	42378	135588	354	65905

OFF ROADWAY ACCIDENTS		NUMBER OF ACCIDENTS				NUMBER OF PERSONS							THIS YEAR TO DATE		
		Total	Fatal	Injury	P.D.	Total Occupants	Killed	Injured	Not Injured	Injured A	Injured B	Injured C	Accidents	Killed	Injured
	1.Overturned	919	7	548	364	1346	7	683	656	137	273	273	919	7	683
	2.Other Non-Collision	68	1	14	53	111	1	15	95	4	6	5	68	1	15
Collision with:	3.Pedestrian	116	7	108	1	274	7	124	143	30	50	44	116	7	124
Collision with:	4.M.V. In Transport	179	2	55	122	554	4	92	458	16	22	54	179	4	92
Collision with:	5.M.V.–Other Roadway	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Collision with:	6.Parked Motor Vehicle	24333	12	2306	22015	32423	13	2846	29564	295	1223	1328	24333	13	2846
Collision with:	7.Railroad Train	4	0	0	4	4	0	0	4	0	0	0	4	0	0
Collision with:	8.Pedalcyclist	107	1	86	20	250	1	92	157	14	49	29	107	1	92
Collision with:	9.Animal	4	0	1	3	4	0	1	3	0	0	1	4	0	1
Collision with:	10.Fixed Object	15411	88	5499	9824	23092	97	7124	15871	1336	3169	2619	15411	97	7124
Collision with:	11.Other Object	23	0	3	20	30	0	3	27	1	2	0	23	0	3
	Totals	41164	118	8620	32426	58088	130	10980	46978	1833	4794	4353	41164	130	10980

ROAD SURFACE	NUMBER OF ACCIDENTS			
	Total	Fatal	Injury	P.D.
Dry	101465	302	32934	68229
Wet	40016	92	12542	27382
Snowy/Icy	33982	49	6598	27335
Other	1289	1	302	986
Total	176752	444	52376	123932

LIGHT CONDITION	NUMBER OF ACCIDENTS			
	Total	Fatal	Injury	P.D.
Daylight	112995	167	32158	80670
Dawn/Dusk	6365	15	1844	4506
Darkness/Lights	31657	186	10555	20916
Darkness/No Lights	24822	76	7688	17058
Not Stated	913	0	131	782
Total	176752	444	52376	123932

AGE	NUMBER OF PERSONS KILLED									
	Total	Male	Female	Driver	Pass.	Ped.	Pedal/ cycle	M/cycle	Farm	Other
0- 4	11	5	6	0	5	6	0	0	0	0
5- 9	14	10	4	0	2	10	1	1	0	0
10-14	19	14	5	0	2	5	10	1	0	1
15-19	64	46	18	18	22	10	5	9	0	0
20-24	72	55	17	29	17	13	1	12	0	0
25-34	97	73	24	45	15	19	3	15	0	0
35-44	48	31	17	29	7	11	0	1	0	0
45-54	41	26	15	22	7	7	0	5	0	0
55-64	45	29	16	17	11	12	2	3	0	0
65-74	27	14	13	12	6	9	0	0	0	0
75 & Over	42	27	15	21	4	17	0	0	0	0
Not Stated	4	4	0	2	1	0	0	1	0	0
Total	484	334	150	195	99	119	22	48	0	1

AGE	NUMBER OF PERSONS INJURED									
	Total	Male	Female	Driver	Pass.	Ped.	Pedal/ cycle	M/cycle	Farm	Other
0- 4	1640	858	782	0	1334	264	30	3	0	9
5- 9	2570	1443	1127	0	1576	600	358	16	0	20
10-14	3327	1798	1529	20	1755	510	874	141	0	27
15-19	11788	6309	5479	5545	4304	497	691	675	1	75
20-24	12885	6839	6046	7983	3408	375	287	738	1	93
25-34	17893	9501	8392	12137	3920	509	222	940	0	165
35-44	9460	4752	4708	6825	1959	251	92	262	1	70
45-54	6396	3003	3393	4499	1553	176	21	101	1	45
55-64	5284	2421	2863	3674	1377	139	31	32	0	31
65-74	2819	1250	1569	1767	924	89	15	16	0	8
75 & Over	1387	598	789	742	528	96	7	3	0	11
Not Stated	1436	725	711	762	507	60	26	49	0	32
Total	76885	39497	37388	43954	23145	3566	2654	2976	4	586

CODE OF INJURY

A–INCAPACITATING INJURY–Any injury other than fatal which prevents normal activities and generally requires hospitalization.

B–NON-INCAPACITATING INJURY–Any injury not incapacitating but evident to others at the scene.

C–POSSIBLE INJURY–No visible injury but complaint of pain or momentary unconsciousness.

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URBAN

URBAN

MUNICIPALITIES	NUMBER OF PERSONS											THIS YEAR TO DATE			
	TOTAL OCCUP.	KILLED			INJURED			INJURY SEVERITY				ON ROADWAY		OFF ROADWAY	
		Total	On Roadway	Off Roadway	Total	On Roadway	Off Roadway	A	B	C	Not Injured	Killed	Injured	Killed	Injured
1. Townships	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2. Under 1,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3. 1,000 - 2,500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4. 2,500 - 5,000	23023	25	18	7	2956	2447	509	418	954	1584	20042	18	2447	7	509
5. 5,000 - 10,000	27663	26	21	5	3345	2731	614	480	1181	1684	24292	21	2731	5	614
6. 10,000 - 25,000	59402	64	47	17	8657	7308	1349	1136	2652	4869	50681	47	7308	17	1349
7. 25,000 - 50,000	82879	83	63	20	12647	10897	1750	1429	3788	7430	70149	63	10897	20	1750
8. 50,000 - 100,000	93739	98	67	31	15664	13673	1991	1717	4650	9297	77977	67	13673	31	1991
9. 100,000 - 250,000	82691	81	58	23	12757	11013	1744	1271	3789	7697	69853	58	11013	23	1744
10. 250,000 or more	107713	107	80	27	20859	17836	3023	1984	4705	14170	86747	80	17836	27	3023
Totals	477110	484	354	130	76885	65905	10980	8435	21719	46731	399741	354	65905	130	10980

MUNICIPALITIES	NUMBER OF ACCIDENTS												THIS YEAR TO DATE			
	ALL ACCIDENTS				ON ROADWAY				OFF ROADWAY							
	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.
1. Townships	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2. Under 1,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3. 1,000 - 2,500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4. 2,500 - 5,000	8511	23	2055	6433	6401	16	1649	4736	2110	7	406	1697	8511	23	2055	6433
5. 5,000 - 10,000	10409	20	2369	8020	7585	16	1891	5678	2824	4	478	2342	10409	20	2369	8020
6. 10,000 - 25,000	22123	57	5965	16101	16649	41	4890	11718	5474	16	1075	4383	22123	57	5965	16101
7. 25,000 - 50,000	30855	78	8686	22091	23762	58	7287	16417	7093	20	1399	5674	30855	78	8686	22091
8. 50,000 - 100,000	33646	90	10633	22923	26944	63	9062	17819	6702	27	1571	5104	33646	90	10633	22923
9. 100,000 - 250,000	30377	77	8780	21520	23590	56	7387	16147	6787	21	1393	5373	30377	77	8780	21520
10. 250,000 or more	40831	99	13888	26844	30657	76	11590	18991	10174	23	2298	7853	40831	99	13888	26844
Totals	176752	444	52376	123932	135588	326	43756	91506	41164	118	8620	32426	176752	444	52376	123932

CLASS OF TRAFFICWAY	NUMBER OF PERSONS											THIS YEAR TO DATE			
	TOTAL OCCUP.	KILLED			INJURED			INJURY SEVERITY				ON ROADWAY		OFF ROADWAY	
		Total	On Roadway	Off Roadway	Total	On Roadway	Off Roadway	A	B	C	Not Injured	Killed	Injured	Killed	Injured
1. Interstate System	23326	49	30	19	4628	3376	1252	596	1257	2775	18649	30	3376	19	1252
2. Other Full Control	7978	21	13	8	1764	1292	472	189	436	1139	6193	13	1292	8	472
3. Other US Route	27196	25	21	4	4121	3675	446	490	1092	2539	23050	21	3675	4	446
4. Other State M Routes	84789	85	69	16	13677	12620	1057	1448	3769	8460	71027	69	12620	16	1057
5. Other Major Arterial	21510	11	9	2	3105	2838	267	321	809	1975	18394	9	2838	2	267
6. County Roads	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7. Local Streets	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8. Other Trafficways	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9. Local Roads–N.K.	312311	293	212	81	49590	42104	7486	5391	14356	29843	262428	212	42104	81	7486
Totals	477110	484	354	130	76885	65905	10980	8435	21719	46731	399741	354	65905	130	10980

CLASS OF TRAFFICWAY	NUMBER OF ACCIDENTS												THIS YEAR TO DATE			
	ALL ACCIDENTS				ON ROADWAY				OFF ROADWAY							
	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.
1. Interstate System	8890	38	3197	5655	6533	22	2217	4294	2357	16	980	1361	8890	38	3197	5655
2. Other Full Control	3065	18	1175	1872	2210	10	799	1401	855	8	376	471	3065	18	1175	1872
3. Other US Route	9138	23	2753	6362	7906	19	2400	5487	1232	4	353	875	9138	23	2753	6362
4. Other State M Routes	28392	83	8985	19324	25315	69	8175	17071	3077	14	810	2253	28392	83	8985	19324
5. Other Major Arterial	7247	11	2075	5161	6324	9	1865	4450	923	2	210	711	7247	11	2075	5161
6. County Roads	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7. Local Streets	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8. Other Trafficways	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9. Local Roads–N.K.	120020	271	34191	85558	87300	197	28300	58803	32720	74	5891	26755	120020	271	34191	85558
Totals	176752	444	52376	123932	135588	326	43756	91506	41164	118	8620	32426	176752	444	52376	123932

PEDESTRIAN ACCIDENTS	ALL ACCIDENTS			FATAL			INJURY			PROPERTY DAMAGE		
	Total	At Inter.	Not At Inter.	Total	At Inter.	Not At Inter.	Total	At Inter.	Not At Inter.	Total	At Inter	Not At Inter.
1. Car Going Straight	2775	1316	1459	103	34	69	2554	1217	1337	118	65	53
2. Car Turning Right	179	158	21	2	2	0	171	151	20	6	5	1
3. Car Turning Left	219	185	34	5	2	3	201	170	31	13	13	0
4. Car Backing	157	50	107	2	1	1	150	46	104	5	3	2
5. All Others	66	23	43	0	0	0	62	22	40	4	1	3
6. Not Stated	16	5	11	0	0	0	16	5	11	0	0	0
Totals	3412	1737	1675	112	39	73	3154	1611	1543	146	87	59

PEDESTRIAN ACTIONS BY AGE	PEDESTRIANS KILLED	AGE OF PEDESTRIANS KILLED AND INJURED									
		Total	0 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 44	45 to 64	65 & Older	Not Stated
1a. Crossing at intersection or in crosswalk	32	1388	68	241	234	184	132	275	131	102	21
1b. Crossing not at intersection or in crosswalk	47	1125	168	306	179	116	75	135	75	56	15
2a. Walking in roadway–with traffic	11	198	3	3	24	59	33	51	19	3	3
2b. Walking in roadway–against traffic	0	37	0	0	8	7	5	11	2	3	1
3. Standing in roadway	14	152	3	2	7	25	25	63	18	6	3
4. Pushing or working on vehicle in roadway	2	101	1	1	1	20	29	36	7	2	4
5. Other working in roadway	0	18	0	0	1	0	3	12	1	1	0
6. Playing in roadway	0	41	8	16	14	1	0	2	0	0	0
7. Other in roadway	1	248	4	16	19	48	32	84	30	7	8
8. Not in roadway	12	351	12	24	26	41	50	112	50	31	5
9. Not Stated	0	26	3	1	2	6	4	9	1	0	0
Totals	119	3685	270	610	515	507	388	790	334	211	60

URBAN

TWO MOTOR VEHICLE ACCIDENTS		Total	Fatal	Injury	P.D.
At Intersection	1. Entering at angle	32490	65	10912	21513
	2a. From same direction—Both Going Straight	7435	1	1525	5909
	2b. Same—one turn, one straight	6641	2	1152	5487
	2c. Same—one stopped	16194	7	5612	10575
	2d. Same—all others	1469	0	107	1362
	3a. From opposite direction—Both Going Straight	1704	3	582	1119
	3b. Same—one left turn, one straight	9086	11	3625	5450
	3c. Same—all others	452	1	94	357
	4. Not stated	5877	0	587	5290
Totals		81348	90	24196	57062

TWO MOTOR VEHICLE ACCIDENTS		Total	Fatal	Injury	P.D.
Not At Intersection	1. Going opposite direction—Both Moving	3416	45	1184	2187
	2. Going same direction—Both Moving	14370	18	3602	10750
	3a. One car parked	18456	12	1719	16725
	3b. One car stopped in traffic	11540	10	4127	7403
	4a. One car entering parked pos.	116	0	17	99
	4b. One car leaving parked pos.	1479	0	151	1328
	5a. One car enter. driveway access	7907	2	2173	5732
	5b. One car leaving d/way access	11288	9	2101	9178
	6. All others/not stated	986	2	197	787
Totals		69558	98	15271	54189

ALL OTHER ACCIDENTS			Total	Fatal	Injury	P.D.
At Inter.	Collision With:	1. Other road veh., or RR train	1956	12	1638	306
		2. Fixed object	5705	14	1858	3833
		3. Other object or animal	126	0	27	99
	4. Overturning		438	3	319	116
	5. Other noncollision		230	0	139	91
Not At Inter.	Collision With:	6. Other road veh., or RR train	1197	17	971	209
		7. Fixed Object	10361	83	3807	6471
		8. Other object or animal	708	1	64	643
	9. Overturning		1241	7	780	454
	10. Other noncollision		472	7	152	313
	11. Not stated		0	0	0	0
Totals			22434	144	9755	12535

URBAN

HAZARDOUS ACTION*	NUMBER OF TRAFFIC UNITS			
	TOTAL	Fatal	Injury	P.D.
1. No Violation	145669	347	49388	95934
2. Speed Too Fast	12729	87	4486	8156
3. Speed Too Slow	103	0	41	62
4. Disregard Control/ROW	48815	169	18721	29925
5. Wrong Way	456	9	183	264
6. Left Center/Improper Pass/Lane	22880	51	4473	18356
7. Improper Turn/Signal	9645	2	1972	7671
8. Improper Backing/Start	13002	3	789	12210
9. Following/Unable To Stop	60798	79	19703	41016
10. Other/Not Known	5661	96	1596	3969
11.				
12.				
13.				
14.				
Totals	319758	843	101352	217563

CONTRIBUTING CIRCUMSTANCE*	NUMBER OF TRAFFIC UNITS			
	TOTAL	Fatal	Injury	P.D.
1. None	134199	309	45832	88058
2. DUIL/Drugs	4983	88	2181	2714
3. Reckless/Careless	4860	39	2549	2272
4. Inattention/Ill/Etc.	2283	9	1004	1270
5. Violation License Restriction	19	0	6	13
6. Obscured Vision	4328	5	1310	3013
7. Defective Equipment	2366	4	823	1539
8. Lost Control/Load/Wind	61	1	21	39
9. Skidding	12399	3	2842	9554
10. Other/Not Known	154260	385	44784	109091
11.				
12.				
13.				
14.				
Totals	319758	843	101352	217563

*Includes pedestrians and drivers

MANNER OF TWO MOTOR VEHICLE COLLISION	Total	Fatal	Injury	P.D.
1. Head on	4581	47	1623	2911
2. Rear end	18862	16	4646	14200
3. Sideswipe-meeting	176	1	15	160
4. Sideswipe-passing	1037	0	102	935
5. Angle	22222	58	8812	13352
6. Backed into	2807	1	176	2630
7. All others	101171	65	24083	77023
8. Not stated	50	0	10	40
Totals	150906	188	39467	111251

TYPE OF VEHICLE	Total	Fatal	Injury	P.D.
1. Passenger car	247250	519	78226	168505
2. Passenger car and trailer	722	0	180	542
3. Truck or truck tractor	36863	75	9221	27567
4. Truck tractor and semi-trailer	2597	15	622	1960
5. Other truck combination	822	4	160	658
6. Farm tractor and/or farm equip.	30	0	6	24
7. Bus	1249	2	398	849
8. School Bus	900	3	147	750
9. Motorcycle/Motor scooter	3341	49	2726	566
10. Other/not stated	19535	22	3532	15981
Totals	313309	689	95218	217402

DRINKING CONDITION DRIVERS	NUMBER OF DRIVERS			
	Total	Fatal	Injury	P.D.
1. Had been drinking	23503	218	10449	12836
2. Not known if drinking	39997	47	8362	31588
3. Had not been drinking	249321	424	76351	172546
Totals	312821	689	95162	216970

DRINKING IN ACCIDENT	NUMBER OF ACCIDENTS			
	Total	Fatal	Injury	P.D.
1. Had been drinking	22464	221	9965	12278
2. Not known if drinking	17033	6	2363	14664
3. Had not been drinking	137255	217	40048	96990
Totals	176752	444	52376	123932

DRINKING CONDITION PEDESTRIAN	NUMBER OF PEDESTRIANS			
	Total	Fatal	Injury	P.D.
1. Had been drinking	144	36	105	3
2. Not known if drinking	3119	17	2963	139
3. Had not been drinking	602	77	512	13
Totals	3865	130	3580	155

AGE OF DRIVER	NUMBER OF DRIVERS			
	Total	Fatal	Injury	P.D.
1. 15 and Younger	711	2	351	358
2. 16	6894	13	1996	4885
3. 17	10100	15	3041	7044
4. 18 to 19	23066	51	7123	15892
5. 20 to 24	50664	129	16179	34356
6. 25 to 34	73100	171	23970	48959
7. 35 to 44	40918	81	13403	27434
8. 45 to 54	27486	75	8879	18532
9. 55 to 64	23469	54	7446	15969
10. 65 to 74	12176	27	3691	8458
11. 75 and older	5574	32	1601	3941
12. Not stated*	38663	39	7482	31142
Totals	312821	689	95162	216970
H & R Drivers (Not Apprehended)	0	0	0	0

SEX OF DRIVER	Total	Fatal	Injury	P.D.
1. Male	211386	539	61900	148947
2. Female	101435	150	33262	68023
Totals	312821	689	95162	216970

RESIDENCE OF DRIVER	Total	Fatal	Injury	P.D.
1. Local resident	238501	531	74992	162978
2. Residing elsewhere	43506	117	13991	29398
3. Non-resident	3598	9	1010	2579
4. Not stated	27216	32	5169	22015
Totals	312821	689	95162	216970
Driverless Moving	488	0	56	432

MILEAGE RATES	This Year To Date	Last Year Same Period	Percent Change
1. Motor vehicle traffic deaths			%
2. Estimated motor veh. mileage traveled (billions)			%
3. Death rate per 100-million-vehicle-miles			%
4. Fatal accident rate per 100-million-vehicle-miles			%

*Includes Hit & Run Drivers

TS-1 (Part 1) Rev. 1-71

Motor Vehicle Traffic Accidents in Michigan

PERIOD YEAR - 1982

Compiled by the Michigan State Police

SUMMARY OF ALL REPORTED ACCIDENTS

COLONEL GERALD L. HOUGH, DIRECTOR

Summary Includes Information Available _____

RURAL

TOTAL ACCIDENTS		NUMBER OF ACCIDENTS				NUMBER OF PERSONS							THIS YEAR TO DATE		
		Total	Fatal	Injury	P.D.	Total Occupants	Killed	Injured	Not Injured	Injured A	Injured B	Injured C	Accidents	Killed	Injured
	1. Overturned	8422	82	4722	3618	13375	83	6389	6903	1338	2650	2401	8422	83	6389
	2. Other Non-collision	1168	11	368	789	2138	11	416	1711	144	173	99	1168	11	416
Collision with:	3. Pedestrian	989	100	857	32	2625	100	945	1580	403	325	217	989	100	945
Collision with:	4. M.V. In Transport	57238	341	18097	38800	191465	403	31407	159655	5018	9604	16785	57238	403	31407
Collision with:	5. M.V.–Other Roadway	35	3	20	12	123	3	49	71	13	24	12	35	3	49
Collision with:	6. Parked M.V.	4841	12	536	4293	7029	14	743	6272	137	307	299	4841	14	743
Collision with:	7. Railroad Train	141	17	66	58	212	19	96	97	37	41	18	141	19	96
Collision with:	8. Pedalcyclist	1083	28	938	117	2796	28	1016	1752	281	452	283	1083	28	1016
Collision with:	9. Animal	18893	1	545	18347	32340	1	638	31701	88	236	314	18893	1	638
Collision with:	10. Fixed Object	24922	241	8771	15910	37775	270	11370	26135	2497	4954	3919	24922	270	11370
Collision with:	11. Other Object	487	1	88	398	877	1	107	769	25	47	35	487	1	107
	Totals	118219	837	35008	82374	290755	933	53176	236646	9981	18813	24382	118219	933	53176

ON ROADWAY ACCIDENTS		NUMBER OF ACCIDENTS				NUMBER OF PERSONS							THIS YEAR TO DATE		
		Total	Fatal	Injury	P.D.	Total Occupants	Killed	Injured	Not Injured	Injured A	Injured B	Injured C	Accidents	Killed	Injured
	1. Overturned	1300	5	892	403	1996	5	1114	877	256	573	285	1300	5	1114
	2. Other Non-collision	908	9	303	596	1760	9	341	1410	122	142	77	908	9	341
Collision with:	3. Pedestrian	918	98	791	29	2455	98	869	1488	371	306	192	918	98	869
Collision with:	4. M.V. In Transport	57021	334	18031	38656	190743	392	31284	159067	4988	9554	16742	57021	392	31284
Collision with:	5. M.V.–Other Roadway	34	3	20	11	121	3	49	69	13	24	12	34	3	49
Collision with:	6. Parked M.V.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Collision with:	7. Railroad Train	138	17	66	55	206	19	96	91	37	41	18	138	19	96
Collision with:	8. Pedalcyclist	1049	26	909	114	2715	26	985	1704	274	437	274	1049	26	985
Collision with:	9. Animal	18858	1	540	18317	32272	1	631	31640	87	234	310	18858	1	631
Collision with:	10. Fixed Object	430	5	103	322	643	5	135	503	25	59	51	430	5	135
Collision with:	11. Other Object	443	1	73	369	804	1	89	714	22	39	28	443	1	89
	Totals	81099	499	21728	58872	233715	559	35593	197563	6195	11409	17989	81099	559	35593

OFF ROADWAY ACCIDENTS		NUMBER OF ACCIDENTS				NUMBER OF PERSONS							THIS YEAR TO DATE		
		Total	Fatal	Injury	P.D.	Total Occupants	Killed	Injured	Not Injured	Injured A	Injured B	Injured C	Accidents	Killed	Injured
	1. Overturned	7122	77	3830	3215	11379	78	5275	6026	1082	2077	2116	7122	78	5275
	2. Other Non-Collision	260	2	65	193	378	2	75	301	22	31	22	260	2	75
Collision with:	3. Pedestrian	71	2	66	3	170	2	76	92	32	19	25	71	2	76
	4. M.V. In Transport	217	7	66	144	722	11	123	588	30	50	43	217	11	123
	5. M.V.–Other Roadway	1	0	0	1	2	0	0	2	0	0	0	1	0	0
	6. Parked Motor Vehicle	4841	12	536	4293	7029	14	743	6272	137	307	299	4841	14	743
	7. Railroad Train	3	0	0	3	6	0	0	6	0	0	0	3	0	0
	8. Pedalcyclist	34	2	29	3	81	2	31	48	7	15	9	34	2	31
	9. Animal	35	0	5	30	68	0	7	61	1	2	4	35	0	7
	10. Fixed Object	24492	236	8668	15588	37132	265	11235	25632	2472	4895	3868	24492	265	11235
	11. Other Object	44	0	15	29	73	0	18	55	3	8	7	44	0	18
	Totals	37120	338	13280	23502	57040	374	17583	39083	3786	7404	6393	37120	374	17583

ROAD SURFACE	NUMBER OF ACCIDENTS			
	Total	Fatal	Injury	P.D.
Dry	68118	593	21214	46311
Wet	21362	138	6470	14754
Snowy/Icy	27447	94	6867	20486
Other	1292	12	457	823
Total	118219	837	35008	82374

LIGHT CONDITION	NUMBER OF ACCIDENTS			
	Total	Fatal	Injury	P.D.
Daylight	61692	322	19151	42219
Dawn/Dusk	6815	37	1686	5092
Darkness/Lights	5310	49	1763	3498
Darkness/No Lights	44037	426	12334	31277
Not Stated	365	3	74	288
Total	118219	837	35008	82374

AGE	NUMBER OF PERSONS KILLED									
	Total	Male	Female	Driver	Pass.	Ped.	Pedal/cycle	M/cycle	Farm	Other
0- 4	11	8	3	0	8	3	0	0	0	0
5- 9	23	13	10	0	4	9	8	2	0	0
10-14	29	21	8	0	12	5	9	2	0	1
15-19	155	124	31	79	51	11	4	8	0	2
20-24	151	111	40	71	42	19	2	15	0	2
25-34	200	159	41	126	34	18	2	18	1	1
35-44	98	67	31	52	15	13	0	16	1	1
45-54	81	52	29	50	19	8	2	2	0	0
55-64	73	47	26	49	10	8	0	4	1	1
65-74	53	32	21	30	18	3	0	0	1	1
75 & Over	58	37	21	27	18	11	1	0	1	0
Not Stated	1	1	0	0	1	0	0	0	0	0
Total	933	672	261	484	232	108	28	67	5	9

CODE OF INJURY

A–INCAPACITATING INJURY–Any injury other than fatal which prevents normal activities and generally requires hospitalization.

B–NON-INCAPACITATING INJURY–Any injury not incapacitating but evident to others at the scene.

C–POSSIBLE INJURY–No visible injury but complaint of pain or momentary unconsciousness.

AGE	NUMBER OF PERSONS INJURED									
	Total	Male	Female	Driver	Pass.	Ped.	Pedal/cycle	M/cycle	Farm	Other
0- 4	1019	528	491	0	955	41	10	3	0	10
5- 9	1504	781	723	1	1167	135	170	22	1	8
10-14	2419	1296	1123	50	1595	167	417	141	4	45
15-19	11410	6569	4841	5854	4377	221	197	643	19	99
20-24	9432	5865	3567	5856	2515	147	59	769	10	76
25-34	11137	6492	4645	7575	2349	152	60	889	11	101
35-44	6378	3311	3067	4535	1318	67	21	372	8	57
45-54	3745	1871	1874	2592	927	39	12	135	4	36
55-64	2895	1340	1555	1885	897	30	4	55	4	20
65-74	1650	735	915	1011	583	26	1	16	4	9
75 & Over	902	410	492	532	338	19	2	6	1	4
Not Stated	685	361	324	363	242	9	10	48	3	10
Total	53176	29559	23617	30254	17263	1053	963	3099	69	475

TRAFFIC ACCIDENT SUMMARY FOR CITIES

1982

Cities	Total Accidents	Fatal Accidents	Personal Injury Accidents	Property Damage Accidents	Persons Killed	Persons Injured
Adrian	819	2	189	628	2	256
Albion	194	0	42	152	0	59
Algonac	63	1	14	48	1	16
Allegan	172	0	39	133	0	55
Allen Park	1,237	1	358	878	1	519
Alma	312	0	69	243	0	95
Alpena	397	1	119	277	2	178
Ann Arbor	2,708	6	859	1,843	7	1,173
Armada	17	0	2	15	0	2
Bad Axe	141	0	37	104	0	48
Battle Creek	1,867	3	451	1,413	3	622
Bay City	1,139	3	315	821	3	415
Belding	114	1	26	87	1	50
Benton Harbor	549	2	123	424	2	146
Berkley	440	1	170	269	1	258
Bessemer	73	0	13	60	0	19
Beverly Hills	279	0	100	179	0	137
Big Rapids	482	0	85	397	0	105
Birmingham	981	2	237	742	2	336
Blissfield	87	0	13	74	0	15
Bloomfield Hills	255	2	67	186	2	94
Boyne City	98	0	23	75	0	28
Brighton	192	0	43	149	0	54
Buchanan	142	1	28	113	1	36
Burton	924	4	348	572	5	544
Cadillac	445	1	74	370	1	92
Caro	156	0	30	126	0	37
Center Line	416	1	124	291	2	185
Charlevoix	157	0	35	122	0	52
Charlotte	231	0	77	154	0	118
Cheboygan	114	1	33	80	1	43
Chelsea	107	0	15	92	0	21
Chesaning	89	0	21	68	0	30
Clare	118	0	23	95	0	35
Clawson	355	0	111	244	0	161
Clio	68	0	20	48	0	34
Coldwater	335	0	66	269	0	102
Corunna	60	0	15	45	0	19
Davison	138	0	40	98	0	55
Dearborn	3,907	12	1,220	2,675	12	1,817
Dearborn Heights	1,965	3	610	1,352	3	908
Detroit	40,831	99	13,888	26,844	107	20,859
Dowagiac	265	0	42	223	0	58
Durand	67	0	7	60	0	8
East Detroit	1,164	3	336	825	3	467
East Grand Rapids	201	1	38	162	1	56
East Jordan	50	0	13	37	0	17
East Lansing	1,134	2	321	811	4	456
Eaton Rapids	102	0	18	84	0	25
Ecorse	408	1	71	336	1	94
Escanaba	695	1	167	527	1	245
Essexville	96	1	17	78	1	19
Farmington	383	0	96	287	0	130
Farmington Hills	1,747	12	637	1,098	13	960
Fenton	296	2	98	196	3	130
Ferndale	473	3	223	247	3	331
Flat Rock	145	0	40	105	0	51
Flint	5,926	17	1,727	4,182	17	2,564
Flushing	127	1	33	93	1	43
Frankenmuth	118	1	32	85	1	51

TRAFFIC ACCIDENT SUMMARY FOR CITIES (Continued)

Cities	Total Accidents	Fatal Accidents	Personal Injury Accidents	Property Damage Accidents	Persons Killed	Persons Injured
Franklin	66	0	28	38	0	43
Fraser	629	2	213	414	2	330
Fremont	156	0	30	126	0	52
Garden City	1,064	1	365	698	1	548
Gaylord	166	0	33	133	0	48
Gibralter	46	1	20	25	1	27
Gladstone	138	0	33	105	0	46
Grand Blanc	110	0	29	81	0	36
Grand Haven	534	0	119	415	0	163
Grand Ledge	142	1	19	122	2	23
Grand Rapids	7,501	14	1,867	5,620	14	2,493
Grandville	540	1	173	366	1	278
Grayling	128	0	23	105	0	30
Greenville	336	0	63	273	0	79
Grosse Pointe	106	0	22	84	0	30
Grosse Pointe Farms	171	0	58	113	0	77
Grosse Pointe Park	267	0	83	184	0	114
Grosse Pointe Shores	38	0	15	23	0	19
Grosse Pointe Woods	250	1	46	203	1	65
Hamtramck	800	0	174	626	0	230
Hancock	254	0	31	223	0	35
Harbor Springs	59	0	12	47	0	15
Harper Woods	391	2	128	261	5	194
Harrison	73	0	24	49	0	37
Hartford	65	0	20	45	0	23
Hastings	217	0	55	162	0	74
Hazel Park	1,136	2	335	799	2	484
Highland Park	892	1	341	550	1	522
Hillsdale	384	0	59	325	0	90
Holland	876	2	224	650	2	321
Holly	99	1	25	73	1	36
Houghton	295	0	44	251	0	53
Howell	247	0	52	195	0	75
Hudson	55	0	7	48	0	9
Hudsonville	95	0	26	69	0	36
Huntington Woods	172	0	51	121	0	70
Inkster	840	5	278	557	5	453
Ionia	268	0	41	227	0	61
Iron Mountain	226	0	85	141	0	117
Iron River	111	0	14	97	0	22
Ironwood	382	1	47	334	2	61
Ishpeming	246	1	34	211	1	54
Ithaca	61	0	11	50	0	16
Jackson	1,921	4	428	1,489	4	581
Kalamazoo	4,034	3	890	3,141	3	1,220
Keego Harbor	145	0	47	98	0	63
Kentwood	1,100	5	319	776	5	476
Kingsford	148	1	30	117	1	40
Lake Orion	135	0	35	100	0	56
L'Anse	69	0	12	57	0	18
Lansing	4,938	9	1,246	3,683	10	1,818
Lapeer	327	2	92	233	2	141
Lathrup Village	256	1	101	154	1	152
Laurium	41	0	9	32	0	11
Lincoln Park	1,726	3	505	1,218	4	716
Linden	39	0	9	30	0	12
Livonia	3,276	11	1,105	2,160	13	1,646
Lowell	105	0	28	77	0	38
Ludington	364	0	43	321	0	64
Madison Heights	1,405	3	470	932	4	721
Manchester	37	0	6	31	0	7
Manistee	430	0	82	348	0	109
Manistique	140	0	26	114	0	40

TRAFFIC ACCIDENT SUMMARY FOR CITIES (Continued)

Cities	Total Accidents	Fatal Accidents	Personal Injury Accidents	Property Damage Accidents	Persons Killed	Persons Injured
Marine City	179	0	20	159	0	26
Marquette	955	0	192	763	0	264
Marshall	220	1	61	158	2	88
Marysville	153	0	51	102	0	74
Mason	149	1	39	109	1	48
Melvindale	342	0	99	243	0	153
Memphis	17	0	6	11	0	10
Menominee	408	0	92	316	0	132
M.S.U.	299	0	74	225	0	95
Midland	1,202	5	287	910	5	413
Milan	98	1	20	77	1	28
Milford	132	1	37	94	1	53
Monroe	638	4	194	440	4	272
Montrose	35	0	13	22	0	18
Mt. Clemens	680	2	170	508	2	254
Mt. Morris	83	0	21	62	0	28
Mt. Pleasant	752	2	207	543	2	304
Munising	62	0	8	54	0	15
Muskegon	1,850	2	509	1,339	2	723
Muskegon Heights	562	2	119	441	2	168
Negaunee	197	0	41	156	0	51
New Baltimore	171	2	60	109	2	99
New Buffalo	59	1	14	44	1	18
New Haven	39	1	13	25	1	21
Newberry	54	1	8	45	1	10
Niles	460	1	116	343	1	150
North Muskegon	133	0	34	99	0	59
Northville	146	0	43	103	0	70
Norton Shores	651	4	203	444	5	327
Norway	62	0	15	47	0	16
Novi	655	6	223	426	8	343
Oak Park	1,014	3	244	767	3	326
Otsego	100	0	16	84	0	20
Owosso	465	0	122	343	0	176
Oxford	93	0	33	60	0	42
Paw Paw	143	0	39	104	0	66
Petoskey	297	0	52	245	0	67
Plainwell	72	1	9	62	1	10
Pleasant Ridge	128	0	35	93	0	46
Plymouth	283	1	74	208	1	96
Pontiac	2,950	9	895	2,046	9	1,263
Port Huron	1,587	3	297	1,287	3	455
Portage	1,108	2	291	815	2	410
Portland	101	0	24	77	0	30
Richmond	94	1	20	73	1	24
River Rouge	231	0	59	172	0	76
Riverview	343	3	105	235	3	162
Rochester	322	0	78	244	0	109
Rockwood	54	0	8	46	0	9
Rogers City	84	0	18	66	0	21
Romeo	111	0	29	82	0	37
Romulus	1,072	5	336	731	6	520
Roosevelt Park	95	0	22	73	0	29
Roseville	1,960	7	650	1,303	7	937
Royal Oak	2,129	7	775	1,347	7	1,069
Saginaw	3,064	8	912	2,144	9	1,398
St. Clair	117	0	32	85	0	47
St. Clair Shores	790	6	442	342	6	689
St. Ignace	68	1	14	53	1	21
St. Johns	242	0	52	190	0	70

TRAFFIC ACCIDENT SUMMARY FOR CITIES (Continued)

Cities	Total Accidents	Fatal Accidents	Personal Injury Accidents	Property Damage Accidents	Persons Killed	Persons Injured
St. Joseph	441	0	106	335	0	144
St. Louis	90	0	14	76	0	19
Saline	174	1	44	129	1	65
Sault Ste. Marie	556	0	83	473	0	107
South Haven	112	0	39	73	0	46
South Lyon	89	1	23	65	3	33
Southfield	3,099	10	1,115	1,974	11	1,763
Southgate	1,096	3	343	750	3	503
Sparta	58	1	11	46	1	17
Spring Lake	114	0	29	85	0	39
Springfield	204	0	63	141	0	96
Sterling Heights	2,663	7	788	1,868	7	1,152
Sturgis	345	0	102	243	0	151
Swartz Creek	129	1	35	93	1	52
Taylor	2,378	7	821	1,550	9	1,293
Tecumseh	210	0	63	147	0	104
Three Rivers	265	0	42	223	0	60
Traverse City	1,009	3	253	753	3	361
Trenton	305	1	139	165	1	223
Troy	2,360	10	724	1,626	10	1,121
Utica	361	1	105	255	1	184
Vassar	59	0	14	45	0	17
Wakefield	45	0	6	39	0	6
Walker	658	5	197	456	5	308
Walled Lake	156	0	54	102	0	78
Warren	4,829	14	1,615	3,200	15	2,419
Wayne	544	0	168	376	0	247
W.M.U.	118	1	17	100	1	17
Westland	1,443	7	619	817	7	1,012
Whitehall	102	0	24	78	0	39
Williamston	51	0	14	37	0	17
Wixom	160	1	46	113	1	71
Wolverine Lake	54	0	11	43	0	13
Woodhaven	300	1	93	206	1	156
Wyandotte	1,171	0	233	938	0	306
Wyoming	2,438	7	678	1,753	9	976
Ypsilanti	1,003	1	252	750	1	354
Zeeland	82	0	22	60	0	29
Avon Twp.	1,200	9	409	782	9	634
Battle Creek Twp.	806	1	228	577	1	332
Benton Twp.	733	0	203	530	0	302
Blackman Twp.	635	2	172	461	2	268
Bloomfield Twp.	1,324	0	425	899	0	643
Bridgeport Twp.	386	0	98	288	0	136
Buena Vista Twp.	369	4	125	240	6	163
Clay Twp.	168	4	56	108	4	88
Clinton Twp.	2,546	11	882	1,653	11	1,333
Davison Twp.	253	0	96	157	0	167
Delhi Twp.	387	2	114	271	2	180
DeWitt Twp.	265	0	77	188	0	122
Emmet Twp.	432	1	137	294	1	225
Flint Twp.	1,228	10	430	788	13	648
Genesee Twp.	562	8	202	352	8	313
Grand Blanc Twp.	482	2	166	314	2	273
Green Oak Twp.	235	3	69	163	3	97
Grosse Ile Twp.	142	1	51	90	1	71
Hampton Twp.	233	2	62	169	2	100
Huron Twp.	184	1	47	136	1	69
Kalamazoo Twp.	527	2	153	372	2	208
Leoni Twp.	520	0	154	366	0	212
Meridian Twp.	907	1	294	612	1	456
Montrose Twp.	101	1	33	67	2	46

TRAFFIC ACCIDENT SUMMARY FOR CITIES (Continued)

Cities	Total Accidents	Fatal Accidents	Personal Injury Accidents	Property Damage Accidents	Persons Killed	Persons Injured
Mt. Morris Twp.	819	5	315	499	5	491
Napoleon Twp.	152	1	40	111	1	56
Niles Twp.	390	4	120	266	4	198
Northville Twp.	262	3	104	155	4	174
Oakland Twp.	187	2	60	125	2	92
Pontiac Twp.	818	2	255	561	2	405
Redford Twp.	1,526	7	490	1,029	8	710
Richfield Twp.	148	3	46	99	3	74
Saginaw Twp.	1,153	1	373	779	2	569
St. Joseph Twp.	248	0	70	178	0	102
Shelby Twp.	986	8	300	678	9	479
Vienna Twp.	295	3	119	173	3	211
Waterford Twp.	2,404	13	864	1,527	16	1,343
West Bloomfield Twp.	1,091	2	285	804	2	429
White Lake Twp.	453	7	154	292	9	264
Wright Twp.	17	1	4	12	1	10

REPORTED STATEWIDE TRAFFIC ACCIDENTS BY COUNTY IN MICHIGAN

County	All	Fatal	Injury	Property Damage	Inter-State	Local Street	State Route	Persons Killed	Persons Injured
Alcona	391	1	85	305	0	237	154	1	136
Alger	281	1	68	212	0	104	177	1	111
Allegan	2,315	17	668	1,630	128	1,459	728	21	1,010
Alpena	923	11	236	676	0	510	413	14	363
Antrim	461	2	129	330	0	257	204	2	172
Arenac	590	7	153	430	60	270	260	7	229
Baraga	273	2	57	214	0	153	120	2	83
Barry	1,479	12	346	1,121	0	1,006	473	19	514
Bay	3,212	20	965	2,227	137	1,835	1,240	20	1,427
Benzie	404	1	100	303	0	230	174	2	142
Berrien	5,266	24	1,440	3,802	667	3,219	1,380	24	2,117
Branch	1,208	4	277	927	116	745	347	5	404
Calhoun	5,218	16	1,341	3,861	843	3,436	939	18	1,998
Cass	1,500	6	393	1,101	0	865	635	9	591
Charlevoix	710	2	171	537	0	361	349	2	232
Cheboygan	653	5	205	443	90	345	218	5	292
Chippewa	941	8	200	733	208	585	148	8	305
Clare	961	4	234	723	0	502	459	5	361
Clinton	1,576	12	448	1,116	178	994	404	12	686
Crawford	467	1	98	368	169	197	111	3	149
Delta	1,475	6	365	1,104	0	968	507	6	537
Dickinson	869	1	216	652	0	422	447	1	295
Eaton	2,597	12	718	1,867	310	1,185	1,102	13	1,070
Emmet	980	6	239	735	9	507	464	7	337
Genesee	12,883	75	4,191	8,617	853	8,926	3,104	86	6,396
Gladwin	657	3	151	503	0	369	288	3	226
Gogebic	714	1	123	585	0	384	330	2	169
Grand Traverse	2,417	16	724	1,677	0	1,528	889	16	1,065
Gratiot	1,290	7	329	954	0	750	540	11	472

REPORTED STATEWIDE TRAFFIC ACCIDENTS BY COUNTY IN MICHIGAN (Continued)

County	All	Fatal	Injury	Property Damage	Inter-State	Local Street	State Route	Persons Killed	Persons Injured
Hillsdale	1,324	6	310	1,008	0	844	480	7	489
Houghton	1,194	4	252	938	0	472	722	5	329
Huron	1,088	3	278	807	0	532	556	7	407
Ingham	9,575	29	2,538	7,008	1,136	5,473	2,966	33	3,703
Ionia	1,724	5	410	1,309	152	1,056	516	6	635
Iosco	924	5	234	685	0	509	415	6	389
Iron	461	0	95	366	0	224	237	0	147
Isabella	1,824	12	524	1,288	0	1,175	649	12	807
Jackson	5,174	28	1,341	3,805	815	3,403	956	28	1,941
Kalamazoo	8,053	21	1,952	6,080	859	5,679	1,515	21	2,739
Kalkaska	505	4	139	362	0	258	247	7	228
Kent	16,586	60	4,544	11,982	880	11,233	4,473	62	6,454
Keweenaw	61	1	13	47	0	22	39	1	19
Lake	382	3	82	297	0	211	171	3	116
Lapeer	1,719	15	513	1,191	0	1,071	648	17	844
Leelanau	396	2	110	284	0	198	198	4	163
Lenawee	2,818	16	736	2,066	0	1,589	1,229	17	1,068
Livingston	2,614	18	801	1,795	407	1,703	504	20	1,126
Luce	225	1	46	178	0	90	135	1	68
Mackinac	451	4	111	336	49	158	244	6	159
Macomb	19,556	79	6,524	12,953	916	12,853	5,787	83	9,847
Manistee	932	6	224	702	0	579	353	7	311
Marquette	2,360	7	550	1,803	0	1,540	820	7	781
Mason	1,059	4	218	837	0	674	385	4	338
Mecosta	1,537	6	306	1,225	0	850	687	7	451
Menominee	1,223	7	221	995	0	776	447	7	339
Midland	2,182	13	570	1,599	0	1,627	555	13	828
Missaukee	377	1	89	287	0	212	165	1	126
Monroe	3,708	32	1,200	2,476	320	2,225	1,163	34	1,800
Montcalm	1,839	11	415	1,413	0	1,014	825	13	630
Montmorency	283	3	59	221	0	163	120	3	89
Muskegon	5,015	27	1,425	3,563	245	3,632	1,138	31	2,115
Newaygo	1,250	5	326	919	0	744	506	5	511
Oakland	33,415	139	10,948	22,328	1,588	25,198	6,629	151	16,360
Oceana	619	9	176	434	0	429	190	9	286
Ogemaw	792	8	168	616	155	445	192	8	270
Ontonagon	247	4	48	195	0	85	162	6	73
Osceola	826	8	162	656	0	404	422	10	266
Oscoda	345	3	63	279	0	177	168	3	95
Otsego	585	2	146	437	82	359	144	3	221
Ottawa	4,167	12	1,193	2,962	250	2,791	1,126	14	1,749
Presque Isle	404	4	86	314	0	224	180	4	141
Roscommon	750	1	192	557	65	332	353	1	285
Saginaw	7,161	30	2,208	4,923	337	4,510	2,314	36	3,285
St. Clair	4,259	35	1,132	3,092	186	2,476	1,597	37	1,723
St. Joseph	1,864	9	485	1,370	0	911	953	10	717
Sanilac	1,104	12	265	827	0	590	514	12	439
Schoolcraft	362	5	79	278	0	130	232	5	131
Shiawassee	1,760	17	508	1,235	141	1,026	593	17	766
Tuscola	1,434	8	421	1,005	0	863	571	8	646
Van Buren	1,932	14	584	1,334	277	1,231	424	16	863
Washtenaw	7,873	35	2,401	5,437	896	5,085	1,892	38	3,424
Wayne	72,874	200	24,055	48,619	6,617	50,355	15,902	220	36,108
Wexford	1,068	5	233	830	0	472	596	6	327
TOTALS	**294,971**	**1,281**	**87,384**	**206,306**	**20,131**	**193,231**	**81,609**	**1,417**	**130,061**

TS-1 (Part 2) Rev. 1-71

RURAL

RURAL

MUNICIPALITIES	NUMBER OF PERSONS											THIS YEAR TO DATE			
	TOTAL OCCUP.	KILLED			INJURED			INJURY SEVERITY				ON ROADWAY		OFF ROADWAY	
		Total	On Roadway	Off Roadway	Total	On Roadway	Off Roadway	A	B	C	Not Injured	Killed	Injured	Killed	Injured
1. Townships	269560	910	542	368	50661	33621	17040	9541	17918	23202	217989	542	33621	368	17040
2. Under 1,000	5596	8	4	4	702	536	166	130	233	339	4886	4	536	4	166
3. 1,000 - 2,500	15599	15	13	2	1813	1436	377	310	662	841	13771	13	1436	2	377
4. 2,500 - 5,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5. 5,000 - 10,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6. 10,000 - 25,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7. 25,000 - 50,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8. 50,000 - 100,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9. 100,000 - 250,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10. 250,000 or more	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Totals	290755	933	559	374	53176	35593	17583	9981	18813	24382	236646	559	35593	374	17583

MUNICIPALITIES	NUMBER OF ACCIDENTS												THIS YEAR TO DATE			
	ALL ACCIDENTS				ON ROADWAY				OFF ROADWAY							
	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.
1. Townships	110051	814	33213	76024	75520	482	20368	54670	34531	332	12845	21354	110051	814	33213	76024
2. Under 1,000	2220	8	483	1729	1401	4	351	1046	819	4	132	683	2220	8	483	1729
3. 1,000 - 2,500	5948	15	1312	4621	4178	13	1009	3156	1770	2	303	1465	5948	15	1312	4621
4. 2,500 - 5,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5. 5,000 - 10,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6. 10,000 - 25,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7. 25,000 - 50,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8. 50,000 - 100,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9. 100,000 - 250,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10. 250,000 or more	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Totals	118219	837	35008	82374	81099	499	21728	58872	37120	338	13280	23502	118219	837	35008	82374

CLASS OF TRAFFICWAY	NUMBER OF PERSONS											THIS YEAR TO DATE			
	TOTAL OCCUP.	KILLED			INJURED			INJURY SEVERITY				ON ROADWAY		OFF ROADWAY	
		Total	On Roadway	Off Roadway	Total	On Roadway	Off Roadway	A	B	C	Not Injured	Killed	Injured	Killed	Injured
1. Interstate System	14849	46	26	20	2759	1479	1280	487	945	1327	12044	26	1479	20	1280
2. Other Full Control	3894	22	8	14	765	382	383	141	283	341	3107	8	382	14	383
3. Other US Route	27676	97	73	24	4781	3664	1117	892	1564	2325	22798	73	3664	24	1117
4. Other State M Routes	67359	247	183	64	11934	9584	2350	2300	3883	5751	55178	183	9584	64	2350
5. Other Major Arterial	4582	10	5	5	785	699	86	128	242	415	3787	5	699	5	86
6. County Roads	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7. Local Streets	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8. Other Trafficways	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9. Local Roads--N.K.	172395	511	264	247	32152	19785	12367	6033	11896	14223	139732	264	19785	247	12367
Totals	290755	933	559	374	53176	35593	17583	9981	18813	24382	236646	559	35593	374	17583

CLASS OF TRAFFICWAY	NUMBER OF ACCIDENTS												THIS YEAR TO DATE			
	ALL ACCIDENTS				ON ROADWAY				OFF ROADWAY							
	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.	Total	Fatal	Injury	P.D.
1. Interstate System	6381	41	1872	4468	3757	23	930	2804	2624	18	942	1664	6381	41	1872	4468
2. Other Full Control	1650	22	501	1127	915	8	220	687	735	14	281	440	1650	22	501	1127
3. Other US Route	10499	86	2992	7421	8035	65	2135	5835	2464	21	857	1586	10499	86	2992	7421
4. Other State M Routes	25164	209	7306	17649	20105	155	5538	14412	5059	54	1768	3237	25164	209	7306	17649
5. Other Major Arterial	1528	10	455	1063	1313	5	393	915	215	5	62	148	1528	10	455	1063
6. County Roads	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7. Local Streets	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8. Other Trafficways	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9. Local Roads--N.K.	72997	469	21882	50646	46974	243	12512	34219	26023	226	9370	16427	72997	469	21882	50646
Totals	118219	837	35008	82374	81099	499	21728	58872	37120	338	13280	23502	118219	837	35008	82374

PEDESTRIAN ACCIDENTS	ALL ACCIDENTS			FATAL			INJURY			PROPERTY DAMAGE		
	Total	At Inter.	Not At Inter.	Total	At Inter.	Not At Inter.	Total	At Inter.	Not At Inter.	Total	At Inter	Not At Inter.
1. Car Going Straight	888	193	695	99	10	89	761	179	582	28	4	24
2. Car Turning Right	17	12	5	0	0	0	16	11	5	1	1	0
3. Car Turning Left	25	14	11	0	0	0	24	13	11	1	1	0
4. Car Backing	25	2	23	0	0	0	25	2	23	0	0	0
5. All Others	28	3	25	1	0	1	25	3	22	2	0	2
6. Not Stated	6	2	4	0	0	0	6	2	4	0	0	0
Totals	989	226	763	100	10	90	857	210	647	32	6	26

PEDESTRIAN ACTIONS BY AGE	PEDESTRIANS KILLED	AGE OF PEDESTRIANS KILLED AND INJURED									
		Total	0 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 44	45 to 64	65 & Older	Not Stated
1a. Crossing at intersection or in crosswalk	10	153	6	26	44	23	12	21	10	11	0
1b. Crossing not at intersection or in crosswalk	31	331	26	87	69	44	24	42	20	18	1
2a. Walking in roadway--with traffic	27	165	0	6	21	51	32	38	9	5	3
2b. Walking in roadway--against traffic	5	39	0	4	3	9	6	14	0	3	0
3. Standing in roadway	22	78	1	1	3	19	17	22	10	5	0
4. Pushing or working on vehicle in roadway	2	57	0	0	1	12	20	19	5	0	0
5. Other working in roadway	1	11	0	0	0	2	3	3	2	1	0
6. Playing in roadway	0	17	3	7	5	1	1	0	0	0	0
7. Other in roadway	3	134	4	5	15	28	26	30	15	8	3
8. Not in roadway	5	154	4	7	8	34	22	56	13	8	2
9. Not Stated	2	22	0	1	3	9	3	5	1	0	0
Totals	108	1161	44	144	172	232	166	250	85	59	9

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RURAL

TWO MOTOR VEHICLE ACCIDENTS		Total	Fatal	Injury	P.D.
At Intersection	1. Entering at angle	12142	93	4339	7710
	2a. From same direction—Both Going Straight	1738	0	390	1348
	2b. Same—one turn, one straight	2638	2	661	1975
	2c. Same—one stopped	4976	1	1675	3300
	2d. Same—all others	547	0	38	509
	3a. From opposite direction—Both Going Straight	855	10	312	533
	3b. Same—one left turn, one straight	2883	6	1305	1572
	3c. Same—all others	147	1	35	111
	4. Not stated	778	1	48	729
Totals		26704	114	8803	17787

TWO MOTOR VEHICLE ACCIDENTS		Total	Fatal	Injury	P.D.
Not At Intersection	1. Going opposite direction—Both Moving	5253	169	1882	3202
	2. Going same direction—Both Moving	7625	19	2157	5449
	3a. One car parked	4063	11	488	3564
	3b. One car stopped in traffic	5249	4	1768	3477
	4a. One car entering parked pos.	53	1	15	37
	4b. One car leaving parked pos.	262	0	30	232
	5a. One car enter. driveway access	6058	16	2026	4016
	5b. One car leaving d/way access	6355	12	1385	4958
	6. All others/not stated	492	10	99	383
Totals		35410	242	9850	25318

ALL OTHER ACCIDENTS			Total	Fatal	Injury	P.D.
At Inter.	Collision With:	1. Other road veh., or RR train	428	7	363	58
		2. Fixed object	4594	14	1459	3121
		3. Other object or animal	313	0	24	289
	4. Overturning		853	9	551	293
	5. Other noncollision		182	2	74	106
Not At Inter.	Collision With:	6. Other road veh., or RR train	796	38	641	117
		7. Fixed Object	20328	227	7312	12789
		8. Other object or animal	19067	2	609	18456
	9. Overturning		7569	73	4171	3325
	10. Other noncollision		984	9	293	682
	11. Not stated		2	0	1	1
Totals			55116	381	15498	39237

RURAL

HAZARDOUS ACTION*	NUMBER OF TRAFFIC UNITS			
	TOTAL	Fatal	Injury	P.D.
1. No Violation	87316	541	24288	62487
2. Speed Too Fast	19553	212	7770	11571
3. Speed Too Slow	111	1	45	65
4. Disregard Control/ROW	18686	185	7442	11059
5. Wrong Way	128	8	58	62
6. Left Center/Improper Pass/Lane	10231	161	2973	7097
7. Improper Turn/Signal	3810	8	1050	2752
8. Improper Backing/Start	3808	2	237	3569
9. Following/Unable To Stop	34435	132	12446	21857
10. Other/Not Known	3417	135	1045	2237
11.				
12.				
13.				
14.				
Totals	181495	1385	57354	122756

CONTRIBUTING CIRCUMSTANCE*	NUMBER OF TRAFFIC UNITS			
	TOTAL	Fatal	Injury	P.D.
1. None	79946	467	22044	57435
2. DUIL/Drugs	4306	230	1854	2222
3. Reckless/Careless	4658	42	2506	2110
4. Inattention/III/Etc.	2022	16	877	1129
5. Violation License Restriction	19	0	5	14
6. Obscured Vision	3860	21	1292	2547
7. Defective Equipment	2151	3	731	1417
8. Lost Control/Load/Wind	263	2	76	185
9. Skidding	9429	20	2712	6697
10. Other/Not Known	74841	584	25257	49000
11.				
12.				
13.				
14.				
Totals	181495	1385	57354	122756

*Includes pedestrians and drivers

MANNER OF TWO MOTOR VEHICLE COLLISION	Total	Fatal	Injury	P.D.
1. Head on	5755	174	2117	3464
2. Rear end	8036	15	2230	5791
3. Sideswipe-meeting	190	1	27	162
4. Sideswipe-passing	289	1	47	241
5. Angle	7088	89	3145	3854
6. Backed into	1316	1	104	1211
7. All others	39419	73	10977	28369
8. Not stated	21	2	6	13
Totals	62114	356	18653	43105

TYPE OF VEHICLE	Total	Fatal	Injury	P.D.
1. Passenger car	132980	863	41465	90652
2. Passenger car and trailer	808	5	202	601
3. Truck or truck tractor	31594	197	8489	22908
4. Truck tractor and semi-trailer	2406	47	701	1658
5. Other truck combination	1158	12	248	898
6, Farm tractor and/or farm equip.	341	8	130	203
7. Bus	128	1	32	95
8. School Bus	626	4	128	494
9. Motorcycle/Motor scooter	3188	73	2731	384
10. Other/not stated				
Totals	6127	28	1235	4864

DRINKING CONDITION DRIVERS	NUMBER OF DRIVERS			
	Total	Fatal	Injury	P.D.
1. Had been drinking	20924	505	9705	10714
2. Not known if drinking	9494	45	1914	7535
3. Had not been drinking	148754	688	43717	104349
Totals	179172	1238	55336	122598

DRINKING IN ACCIDENT	NUMBER OF ACCIDENTS			
	Total	Fatal	Injury	P.D.
1. Had been drinking	20090	491	9247	10352
2. Not known if drinking	3927	10	600	3317
3. Had not been drinking	94202	336	25161	68705
Totals	118219	837	35008	82374

DRINKING CONDITION PEDESTRIAN	NUMBER OF PEDESTRIANS			
	Total	Fatal	Injury	P.D.
1. Had been drinking	74	49	25	0
2. Not known if drinking	1022	20	965	37
3. Had not been drinking	113	49	64	0
Totals	1209	118	1054	37

AGE OF DRIVER	NUMBER OF DRIVERS			
	Total	Fatal	Injury	P.D.
1. 15 and Younger	702	7	408	287
2. 16	6142	31	2167	3944
3. 17	8127	44	2657	5426
4. 18 to 19	16664	108	5479	11077
5. 20 to 24	31699	223	10286	21190
6. 25 to 34	43237	323	13509	29405
7. 35 to 44	26531	163	8118	18250
8. 45 to 54	15926	126	4682	11118
9. 55 to 64	11666	100	3486	8080
10. 65 to 74	5901	49	1847	4005
11. 75 and older	2847	40	920	1887
12. Not stated*	9730	24	1777	7929
Totals	179172	1238	55336	122598
H & R Drivers (Not Apprehended)	0	0	0	0

SEX OF DRIVER	Total	Fatal	Injury	P.D.
1. Male	124235	973	37122	86140
2. Female	54937	265	18214	36458
Totals	179172	1238	55336	122598

RESIDENCE OF DRIVER	Total	Fatal	Injury	P.D.
1. Local resident	127345	833	40148	86364
2. Residing elsewhere	39254	329	12259	26666
3. Non-resident	4191	39	1307	2845
4. Not stated	8382	37	1622	6723
Totals	179172	1238	55336	122598
Driverless Moving	184	0	25	159

MILEAGE RATES	This Year To Date	Last Year Same Period	Percent Change
1. Motor vehicle traffic deaths			%
2. Estimated motor veh. mileage traveled (billions)			%
3. Death rate per 100-million-vehicle-miles			%
4. Fatal accident rate per 100-million-vehicle-miles			%

*Includes Hit & Run Drivers

MOTOR VEHICLE TRAFFIC DEATHS BY COUNTY

County	1978	1979	1980	1981	1982	5 Year Total
POPULATION UNDER 10,000						
Alcona	7	4	1	3	1	16
Alger	4	6	3	2	1	16
Baraga	4	4	7	2	2	19
Benzie	2	5	7	2	2	18
Crawford	9	6	3	2	3	23
Kalkaska	4	3	3	3	7	20
Keweenaw	1	0	1	0	1	3
Lake	1	7	5	5	3	21
Luce	3	4	2	2	1	12
Mackinac	7	1	3	12	6	29
Missaukee	8	5	4	3	1	22
Montmorency	2	4	2	0	3	11
Oscoda	6	10	2	4	3	25
Roscommon	18	8	12	8	1	47
Schoolcraft	6	5	1	3	5	20
POPULATION 10,000 - 15,000						
Antrim	6	10	4	2	2	24
Arenac	10	8	5	10	7	40
Gladwin	2	3	3	3	3	14
Iron	3	1	2	2	0	8
Leelanau	4	2	9	3	4	22
Ogemaw	10	7	7	4	8	36
Ontonagon	9	5	1	1	6	22
Osceola	4	4	5	8	10	31
Otsego	3	2	8	4	3	20
Presque Isle	11	5	2	5	4	27
POPULATION 15,000 - 25,000						
Charlevoix	13	5	3	8	2	31
Cheboygan	9	4	6	2	5	26
Clare	13	10	5	12	5	45
Dickinson	3	7	6	9	1	26
Emmet	7	3	5	3	7	25
Gogebic	5	4	5	4	2	20
Iosco	8	12	7	6	6	39
Manistee	6	4	3	11	7	31
Mason	13	6	10	4	4	37
Menominee	9	4	2	6	7	28
Oceana	12	7	11	11	9	50
Wexford	7	12	6	8	6	39
POPULATION 25,000 - 50,000						
Alpena	9	10	13	4	14	50
Barry	14	12	11	13	19	69
Branch	11	12	9	6	5	43
Cass	24	20	18	14	9	85
Chippewa	5	11	7	13	8	44
Clinton	24	12	16	12	12	76
Delta	17	12	14	6	6	55
Grand Traverse	16	23	16	14	16	85
Gratiot	12	20	8	8	11	59
Hillsdale	12	12	14	13	7	58
Houghton	8	6	5	5	5	29
Huron	11	13	19	14	7	64
Ionia	12	22	16	8	6	64

MOTOR VEHICLE TRAFFIC DEATHS BY COUNTY (Continued)

County	1978	1979	1980	1981	1982	5 Year Total
POPULATION 25,000 - 50,000 (Continued)						
Isabella	11	7	3	16	12	49
Mecosta	8	11	9	7	7	42
Montcalm	18	12	27	17	13	87
Newaygo	21	9	12	18	5	65
St. Joseph	14	14	15	16	10	69
Sanilac	18	9	8	11	12	58
Tuscola	25	19	21	11	8	84
POPULATION 50,000 - 100,000						
Allegan	20	27	27	25	21	120
Eaton	28	23	19	16	13	99
Lapeer	34	22	26	13	17	112
Lenawee	26	24	19	18	17	104
Livingston	34	27	31	28	20	140
Marquette	13	22	14	17	7	73
Midland	19	17	11	16	13	76
Shiawassee	12	21	11	24	17	85
Van Buren	23	26	15	18	16	98
POPULATION OVER 100,000						
Bay	32	30	25	18	20	125
Berrien	41	31	37	45	24	178
Calhoun	28	28	32	26	18	132
Genesee	104	85	83	72	86	430
Ingham	35	21	31	25	33	145
Jackson	36	32	28	39	28	163
Kalamazoo	45	49	44	23	21	182
Kent	83	64	72	68	62	349
Macomb	113	89	106	85	83	476
Monroe	44	34	35	27	34	174
Muskegon	43	30	44	28	31	176
Oakland	178	165	153	148	151	795
Ottawa	28	35	28	24	14	129
Saginaw	53	54	45	33	36	221
St. Clair	45	36	30	27	37	175
Washtenaw	64	58	42	36	38	238
Wayne	356	337	333	286	220	1,532
TOTALS	**2,076**	**1,849**	**1,774**	**1,589**	**1,417**	**8,705**

MOTOR VEHICLE TRAFFIC DEATHS IN CITIES
10,000 POPULATION AND OVER

City	1978	1979	1980	1981	1982	5 Year Total
POPULATION 10,000 - 15,000						
Albion	0	1	1	0	0	2
Alpena	0	0	0	1	2	3
Beverly Hills	1	1	1	0	0	3
Big Rapids	0	0	2	1	0	3
Center Line	0	1	1	1	2	5
East Grand Rapids	0	0	2	0	1	3
Farmington	0	2	1	2	0	5
Fraser	2	2	2	2	2	10
Grand Haven	0	0	2	1	0	3
Grandville	4	1	2	0	1	8
Grosse Pointe Farms	1	0	1	1	0	3
Melvindale	2	3	0	1	0	6
Menominee	1	0	0	2	0	3
Niles	1	1	1	1	1	5
Plymouth	1	0	1	0	1	3
Riverview	0	0	0	4	3	7
St. Joseph	0	1	1	0	0	2
Walker	7	5	4	4	5	25
POPULATION 15,000 - 25,000						
Adrian	3	1	1	1	2	8
Benton Harbor	1	1	0	3	2	7
Berkley	1	1	3	3	1	9
Clawson	1	2	0	0	0	3
Ecorse	2	4	2	2	1	11
Escanaba	3	2	2	2	1	10
Grosse Pointe Park	1	1	0	0	0	2
Grosse Pointe Woods	2	0	0	0	1	3
Harper Woods	5	2	0	3	5	15
Hazel Park	3	3	4	0	2	12
Kentwood	6	3	1	2	5	17
Marquette	1	3	4	4	0	12
Monroe	2	1	1	3	4	11
Mount Clemens	2	3	0	1	2	8
Mount Pleasant	1	0	0	0	2	3
Muskegon Heights	0	1	1	1	2	5
Norton Shores	5	2	2	6	5	20
Owosso	1	0	0	1	0	2
River Rouge	0	0	0	1	0	1
Romulus	8	12	17	8	6	51
Sault Ste. Marie	1	1	1	0	0	3
Traverse City	1	2	2	1	3	9
Trenton	0	2	2	1	1	6
Wayne	3	5	1	1	0	10
POPULATION 25,000 - 50,000						
Allen Park	10	4	4	5	1	24
Battle Creek	10	4	6	4	3	27
Bay City	4	2	4	5	3	18
Birmingham	3	0	0	3	2	8
East Detroit	3	5	2	3	3	16
East Lansing	1	1	3	1	4	10
Ferndale	3	4	1	5	3	16
Garden City	1	3	0	0	1	5
Hamtramck	5	2	0	2	0	9
Highland Park	7	7	4	6	1	25
Holland	2	7	2	2	2	15

MOTOR VEHICLE TRAFFIC DEATHS IN CITIES
10,000 POPULATION AND OVER (Continued)

City	1978	1979	1980	1981	1982	5 Year Total
POPULATION 25,000 - 50,000 (Continued)						
Inkster	5	4	1	3	5	18
Jackson	4	2	1	5	4	16
Madison Heights	1	2	4	2	4	13
Midland	7	6	4	2	5	24
Muskegon	4	5	5	4	2	20
Oak Park	3	3	2	1	3	12
Portage	7	6	8	3	2	26
Port Huron	5	6	4	2	3	20
Southgate	8	3	2	2	3	18
Troy	13	14	10	8	10	55
Wyandotte	2	2	0	1	0	5
Ypsilanti	4	0	4	2	1	11
POPULATION OVER 50,000						
Ann Arbor	8	7	4	4	7	30
Dearborn	16	14	19	11	12	72
Dearborn Heights	3	4	10	7	3	27
Detroit	172	175	162	148	107	764
Flint	32	14	24	16	17	103
Grand Rapids	13	11	19	10	14	67
Kalamazoo	8	7	7	2	3	27
Lansing	9	6	11	11	10	47
Lincoln Park	8	2	4	5	4	23
Livonia	16	10	14	13	13	66
Pontiac	13	9	11	6	9	48
Roseville	14	9	7	9	7	46
Royal Oak	7	8	12	4	7	38
Saginaw	6	14	3	7	9	39
St. Clair Shores	4	2	6	3	6	21
Southfield	13	8	8	13	11	53
Sterling Heights	9	8	14	14	7	52
Taylor	14	9	21	14	9	67
Warren	18	17	22	17	15	89
Westland	12	15	9	7	7	50
Wyoming	9	5	10	10	9	43

DEATHS, INJURIES AND ACCIDENTS BY LOCATIONS

Year	Total	Statewide		Rural	
		Urban	Rural	Trunkline	County Road
DEATHS					
1962	1,574	470	1,104	577	527
1963	1,887	594	1,293	670	623
1964	2,122	698	1,424	706	718
1965	2,136	708	1,428	743	685
1966	2,298	748	1,550	812	738
1967	2,137	719	1,418	734	684
1968	2,392	703	1,689	865	824
1969	2,487	769	1,718	908	810
1970	2,177	662	1,515	746	769
1971	2,152	661	1,491	737	754
1972	2,258	737	1,521	743	778
1973	2,213	709	1,504	730	774
1974	1,875	640	1,235	533	702
1975	1,811	610	1,201	692	509
1976	1,955	691	1,264	569	695
1977	1,950	628	1,322	605	717
1978	2,076	679	1,399	641	758
1979	1,849	580	1,269	579	690
1980	1,774	601	1,173	518	655
1981	1,589	533	1,056	451	605
1982	1,417	484	933	422	511
INJURIES					
1962	108,143	68,634	39,509	19,677	19,832
1963	126,896	81,436	45,460	22,024	23,436
1964	144,623	92,828	51,795	24,750	27,045
1965	155,258	99,225	56,033	27,025	29,008
1966	156,694	97,983	58,711	26,907	31,804
1967	151,297	95,583	55,714	26,122	29,592
1968	161,413	99,813	60,600	27,386	33,214
1969	175,400	114,409	60,991	27,790	33,201
1970	161,719	102,960	58,759	26,205	32,554
1971	157,664	99,762	57,902	25,800	32,012
1972	178,929	115,834	63,095	28,147	34,948
1973	169,485	108,170	61,315	25,599	35,716
1974	141,132	88,755	52,377	20,209	32,168
1975	147,299	91,573	55,726	21,053	34,673
1976	162,894	99,704	63,190	25,251	37,939
1977	166,389	99,612	66,777	26,927	39,850
1978	169,202	99,533	69,669	28,194	41,475
1979	162,571	97,167	65,404	26,171	39,233
1980	144,972	85,760	59,212	22,508	36,704
1981	136,455	80,736	55,719	21,431	34,288
1982	130,061	76,885	53,176	21,024	32,152
ACCIDENTS					
1962	233,078	173,973	59,285	27,961	31,324
1963	261,794	196,131	65,663	30,017	35,645
1964	284,444	210,951	73,493	33,761	39,732
1965	310,598	228,091	82,507	37,859	44,648
1966	302,880	215,172	87,708	38,875	48,833
1967	299,004	212,094	86,910	38,233	48,677
1968	305,495	209,854	95,641	42,021	53,620
1969	331,223	231,375	99,848	44,131	55,717
1970	313,715	210,932	102,783	44,984	57,799
1971	314,015	204,095	109,920	48,941	60,979
1972	359,745	236,116	123,629	53,673	69,956
1973	350,864	228,660	122,204	50,431	71,773
1974	324,763	210,716	114,047	43,396	70,651
1975	333,560	213,934	119,626	44,707	74,919
1976	365,600	232,293	133,307	52,401	80,906
1977	374,751	232,322	142,429	55,813	86,616
1978	389,193	239,201	149,992	58,582	91,410
1979	366,435	226,717	139,718	54,759	84,959
1980	314,594	189,285	125,309	46,853	78,456
1981	302,831	180,528	122,203	46,378	75,925
1982	294,971	176,752	118,219	45,222	72,997

MOTOR VEHICLE TRAFFIC DEATHS IN MICHIGAN BY MONTH

Year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
1937	189	127	149	142	161	176	221	234	202	224	181	169	2,175
1938	118	65	84	91	109	99	126	139	153	164	161	145	1,454
1939	101	89	103	80	118	122	172	150	128	166	164	187	1,580
1940	122	98	137	99	130	141	127	161	158	216	184	157	1,730
1941	131	128	152	128	193	178	195	231	176	230	219	172	2,133
1942	139	114	89	96	129	92	120	125	146	109	87	79	1,325
1943	59	51	79	44	75	89	82	67	110	118	96	122	992
1944	130	100	81	82	49	57	59	95	68	97	116	100	1,034
1945	71	60	85	78	74	71	94	88	118	160	131	120	1,150
1946	107	98	121	88	110	106	119	130	123	143	160	165	1,470
1947	86	86	85	113	124	114	134	149	134	142	145	135	1,447
1948	89	64	92	109	125	118	138	134	150	133	165	195	1,512
1949	101	82	106	91	110	99	116	138	169	144	149	136	1,441
1950	105	84	87	139	122	125	153	152	157	174	154	153	1,605
1951	131	103	103	117	119	137	170	163	158	146	160	133	1,640
1952	81	121	125	94	145	169	140	184	181	152	166	178	1,736
1953	139	116	136	132	134	173	176	183	187	187	167	175	1,905
1954	130	126	100	119	149	132	182	167	168	167	153	200	1,793
1955	134	117	116	160	157	192	169	209	160	204	208	190	2,016
1956	166	136	132	140	133	115	149	159	169	144	145	158	1,746
1957	121	98	118	118	130	122	127	152	123	143	135	161	1,548
1958	94	90	95	89	92	112	120	134	132	113	165	146	1,382
1959	76	69	91	126	126	124	148	128	155	125	144	161	1,473
1960	139	76	102	105	107	133	159	154	137	186	152	154	1,604
1961	105	99	113	138	133	114	141	166	128	139	148	143	1,567
1962	94	70	115	110	123	147	166	175	170	172	118	114	1,574
1963	107	95	124	142	148	173	188	177	163	179	196	195	1,887
1964	170	159	158	144	164	167	217	197	177	199	177	193	2,122
1965	153	113	135	143	156	181	211	220	193	214	172	245	2,136
1966	147	156	179	151	207	204	212	206	203	220	205	208	2,298
1967	130	105	141	162	187	140	210	189	223	230	216	204	2,137
1968	130	147	164	150	240	214	208	233	209	248	283	166	2,392
1969	137	158	173	169	239	236	218	254	230	236	219	218	2,487
1970	167	143	160	141	214	205	197	204	213	217	178	138	2,177
1971	137	124	155	144	187	212	222	227	155	209	202	178	2,152
1972	156	161	155	150	204	209	225	210	225	219	174	170	2,258
1973	187	156	173	140	180	230	225	201	204	209	171	137	2,213
1974	111	112	107	116	144	197	189	178	200	195	201	125	1,875
1975	120	97	112	93	149	169	195	203	190	162	161	160	1,811
1976	118	102	134	150	163	169	196	227	189	171	174	162	1,955
1977	126	87	122	143	184	179	223	194	164	189	181	158	1,950
1978	98	104	128	177	178	203	206	229	214	199	183	157	2,076
1979	102	103	129	152	146	155	190	171	174	187	171	169	1,849
1980	117	131	109	116	153	170	142	183	192	152	133	176	1,774
1981	99	100	108	116	116	155	159	171	149	155	113	148	1,589
1982	98	79	93	91	114	121	154	153	128	144	131	111	1,417

TREND DATA FOR FATAL ACCIDENTS

Trend Data	1978	1979	1980	1981	1982
AGE OF PERSONS KILLED, TOTAL					
0 - 4 years	47	39	41	24	22
5 - 9 years	74	57	52	53	37
10 - 14 years	80	63	64	57	48
15 - 19 years	358	342	306	224	219
20 - 24 years	379	310	337	268	223
25 - 34 years	397	350	363	343	297
35 - 44 years	200	190	174	172	146
45 - 54 years	163	167	142	134	122
55 - 64 years	152	128	128	113	118
65 - 74 years	116	99	77	97	80
75 years and over	105	95	85	96	100
Not Stated	9	9	5	8	5
TOTALS	**2,076**	**1,849**	**1,774**	**1,589**	**1,417**
AGE OF PERSONS KILLED, PEDESTRIANS					
0 - 4 years	18	16	11	7	9
5 - 9 years	38	29	22	30	19
10 - 14 years	35	22	19	24	10
15 - 19 years	36	47	29	29	21
20 - 24 years	30	35	32	26	32
25 - 34 years	45	44	45	38	37
35 - 44 years	27	17	26	23	24
45 - 54 years	29	36	26	17	15
55 - 64 years	32	22	28	23	20
65 - 74 years	28	34	16	28	12
75 years and over	30	32	30	25	28
Not Stated	3	4	3	4	0
TOTALS	**351**	**338**	**287**	**274**	**227**
AGE OF DRIVERS INVOLVED					
15 years and under	15	15	23	16	9
16 years	70	57	49	31	44
17 years	124	107	91	95	59
18 - 19 years	248	243	213	162	159
20 - 24 years	605	513	537	419	352
25 - 34 years	686	616	584	577	494
35 - 44 years	354	348	295	302	244
45 - 54 years	266	241	198	228	201
55 - 64 years	204	188	164	145	154
65 years and over	172	130	123	160	148
Not Stated	57	61	68	57	63
TOTALS	**2,801**	**2,519**	**2,345**	**2,192**	**1,927**
PEDESTRIAN ACTION					
Crossing at intersection	43	56	42	35	42
Crossing not at intersection	147	131	99	105	78
In road with traffic	33	32	46	29	38
In road against traffic	7	5	3	7	5
Standing or lying in road	62	62	45	52	36
Pushing or working on vehicle	8	2	8	6	4
Other working in road	1	2	0	2	1
Playing in road	3	2	0	8	0
In road for other reasons	6	3	1	4	4
Not in road	41	40	42	25	17
Other or not stated	0	3	1	1	2
TOTALS	**351**	**338**	**287**	**274**	**227**

FATAL ACCIDENTS AND PERSONS KILLED FOR SELECTED HOLIDAY PERIODS IN MICHIGAN

Holiday	Fatal Accidents	Persons Killed
MEMORIAL DAY		
1982 (3)	9	9
1981 (3)	9	12
1980 (3)	23	23
1979 (3)	15	17
1978 (3)	22	25
FOURTH OF JULY		
1982 (3)	28	30
1981 (3)	18	22
1980 (3)	25	25
1979 (1)	12	12
1978 (4)	23	23
LABOR DAY		
1982 (3)	21	21
1981 (3)	16	17
1980 (3)	24	26
1979 (3)	24	31
1978 (3)	26	31
THANKSGIVING		
1982 (4)	23	27
1981 (4)	12	13
1980 (4)	28	32
1979 (4)	23	27
1978 (4)	25	29
CHRISTMAS		
1982 (3)	16	19
1981 (3)	14	15
1980 (4)	21	23
1979 (4)	26	29
1978 (3)	22	31
NEW YEARS		
1982 (3)	10	10
1981 (3)	12	17
1980 (4)	18	21
1979 (4)	23	27
1978 (3)	7	7

Figures in parentheses show number of full days in each holiday period. Deaths are for these days plus the last six hours of the preceding day.

Summary for 1982

This schedule shows the traffic death tolls in Michigan for the past five years for the major holiday periods.

Based on the total 1982 experience, the average daily deaths were 3.9 persons per day.

All weekend deaths, Saturdays and Sundays, plus six hours of the preceding Friday, totaled 606 which is an average of 11.6 deaths per weekend.

From experience, it is evident that Michigan's highways have their share of tragedies.

MOTOR VEHICLE TRAFFIC ACCIDENT AND RELATED DATA

Year	Deaths	Injuries	Accidents	Estimated Mileage (Millions)	Motor Vehicle Registrations*	Death Rate**
1933	1,278	–	–	8,430.0	1,083,057	15.2
1934	1,511	–	–	9,080.0	1,155,453	16.6
1935	1,676	–	–	9,980.0	1,246,690	16.8
1936	1,924	–	–	12,280.0	1,382,571	15.7
1937	2,175	31,141	92,230	13,668.0	1,514,960	15.9
1938	1,454	22,891	71,114	12,872.8	1,416,514	11.3
1939	1,580	28,465	91,965	14,062.7	1,482,485	11.2
1940	1,730	34,247	116,154	15,132.3	1,563,635	11.4
1941	2,133	40,708	133,236	17,043.5	1,717,449	12.5
1942	1,325	28,967	100,125	13,900.3	1,626,861	9.5
1943	992	21,988	71,450	10,530.0	1,542,798	9.4
1944	1,034	23,401	72,013	10,651.0	1,505,246	9.7
1945	1,150	27,755	83,160	11,915.6	1,483,466	9.7
1946	1,470	34,479	110,631	16,191.1	1,619,541	9.1
1947	1,447	38,195	137,619	17,661.1	1,850,274	8.2
1948	1,512	40,892	140,172	19,069.2	2,030,685	7.9
1949	1,441	41,647	143,197	19,990.4	2,203,375	7.2
1950	1,605	45,734	161,750	21,494.5	2,439,593	7.5
1951	1,640	48,418	176,587	22,668.1	2,560,652	7.2
1952	1,736	49,119	160,829	23,093.1	2,586,834	7.5
1953	1,905	57,834	184,174	25,346.9	2,808,921	7.5
1954	1,793	56,444	185,534	26,041.2	2,889,740	6.9
1955	2,016	62,234	196,812	28,282.5	3,149,323	7.1
1956	1,746	61,158	197,995	28,429.3	3,174,704	6.1
1957	1,548	60,067	191,915	29,252.2	3,256,150	5.3
1958	1,382	57,767	177,934	29,411.3	3,157,441	4.7
1959	1,473	64,873	198,771	30,679.0	3,252,492	4.8
1960	1,604	91,026	209,724	31,842.4	3,352,234	5.0
1961	1,567	93,350	199,973	32,101.5	3,395,736	4.9
1962	1,574	108,143	233,078	34,498.0	3,498,758	4.6
1963	1,887	126,896	261,794	36,452.2	3,646,080	5.2
1964	2,122	144,623	284,444	38,617.6	3,860,791	5.5
1965	2,136	155,258	310,598	40,857.4	4,066,826	5.2
1966	2,298	156,694	302,880	43,940.1	4,133,199	5.2
1967	2,137	151,297	299,004	45,053.6	4,161,573	4.7
1968	2,392	160,413	305,495	48,047.4	4,327,885	5.0
1969	2,487	175,400	331,223	50,904.9	4,560,097	4.9
1970	2,177	161,719	313,715	53,148.1	4,683,919	4.1
1971	2,152	157,664	314,015	55,539.7	4,835,146	3.9
1972	2,258	178,929	359,745	57,817.1	5,160,985	3.9
1973	2,213	169,485	350,864	58,478.4	5,442,233	3.8
1974	1,875	141,132	324,763	55,748.7	5,652,406	3.4
1975	1,811	147,299	333,560	56,260.5	5,744,441	3.2
1976	1,955	162,894	365,600	61,638.0	5,861,908	3.2
1977	1,950	166,389	374,751	64,853.0	6,138,732	3.0
1978	2,076	169,202	389,193	67,380.0	6,436,365	3.1
1979	1,849	162,571	366,435	64,882.3	6,536,246	2.9
1980	1,774	144,972	314,594	61,190.1	6,570,735	2.9
1981	1,589	136,455	302,831	62,000.0	6,140,286	2.6
1982	1,417	130,061	294,971	61,321.7	6,400,942	2.3

*Excludes trailers and trailer coaches.
**Deaths per 100 million miles of travel.